Read by SEAMAN

DRUG&CHEMICAL MARKETS

A Weekly Business Paper and Prices Current on Chemicals, Drugs, Colors, and Aromatics

VOLUME XIV

NEW YORK, APRIL 23, 1924

NUMBER 17



Ingredients of Industrial Activity

Dow chemicals have been aptly described by one of our customers as ingredients of industrial activity. We like to think of them that way for the character of a good product is often determined by the quality of ingredients used.

The fact that Dow chemicals enter into so many of the fine products of pharmaceutical, textile, rubber and leather industries is a challenge to us to maintain or improve the standards which first caused their selection.

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We invite correspondence from Industrial and Pharmaceutical organizations regarding the use of chemicals in their own business. research department is available for co-operative investigation. Our packing, shipping and general business activities are organized to meet the peculiar processes, standards and production schedules of the large industries we have the privilege of serving.

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In This Issue Why Chemical Distributors Are Needed Hot Fight For Muscle Shoals

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The Week in Brief

Pressing an offer for Muscle Shoals before the Senate Agricultural Committee a New York syndicate promises to pay the Government \$305,000,000 and save \$30,000,000 annually to farmers in sales of fertilizer.

President Jenkins, of Alexander Milburn Co., which is suing for \$2,250,000 under the Sherman law, tells how a subsidiary of Union Carbide and Carbon Co. obtained Government contracts.

Germany's imports of chemical raw materials have decreased each year since 1913.

Many New York chemical and drug firms moving to new quarters on May 1.

A quiet week in industrial chemicals is accompanied by a softer tone, though actual changes have been few and usually within narrow limits. Acetone and acetate are easier. Salts of metals are weakening with lower metal prices. Imports of chemicals increase.

Pyridine is scarce in the spot market and prices have advanced. Shipment prices are also higher. Phenol continues easy owing to lack of demand. Coal tar light oil distillates are moving well. Intermediates and dyes continue quiet.

Fatty oils remain unsettled but with slightly firmer tendencies. Business continues dull with no indication of larger buying. Chinawood oil is easy. Olive oil is steady and in fair demand.

Fine chemicals show improved demand with most inquiries for mercury and potassium permanganate. Menthol is lower and still easier prices are possible.

Essential oils are generally firm, which has restricted buying to considerable extent. Oil bergamot has advanced sharply. Oil citronella is in active demand.

Crude drugs are quiet with buying restricted to small lots. Interest is still maintained owing to scarcities.



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CHIPPED NAPHTHALENE
Particularly high melting point
for Dyestuffs Manufacture

The Company

40 Rector Street



New York, N.Y.

DRUG&CHEMICALMARKETS

VOLUME XIV

NEW YORK, APRIL 23, 1924

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IT IS UP TO THE LEATHER INDUSTRY

Black wattle meets the requirements of American tanners more fully than any foreign vegetable tannin which can be produced in the United States. says the Hide and Leather Division, Department of Commerce. In view of the exhaustion of present domestic supplies of vegetable tanning materials the cultivation of wattle trees is recommended, owing to the phenomenal growth of the market for wattle bark and extract. The leather industry can protect itself against scarcity and high prices of tannin, if steps are taken to encourage planters in growing a reasonable acreage by guaranteeing a

market.

The Bureau of Foreign and Domestic Commerce has prepared a bulletin on the subject under the title "Tanning Materials Survey, Part II. Wattle Culture: Its Development Within the British Empire and the Economic Importance of Growing Wattle in the United States and Adjacent Territory." Just at this time the leather trade is in the doldrums owing to overproduction, loss of foreign trade, and business fear which has affected buying in many lines. Conditions call for economies, and a movement to assure a future supply of tannin at low prices should be welcomed in the industry. People not familiar with the uses of leather have the erroneous idea that "substitutes" are taking the place of hides, but the president of the Tanners' Council says there is no true substitute for leather having all its good qualities and none of its defects. The Department of Commerce is ready to help when the leather trade takes the necessary action to protect itself, but the Department cannot be expected actually to start a new industry. It has done its part when a way is shown by which future supplies of tanning material may be obtained.

THE NEW ALCOHOL REGULATIONS

The alcohol producing and consuming industries of the country breathed a sigh of relief with the issuing of the new alcohol Regulations No. 60 last week. After waiting a year for the revision to be made, fearing meanwhile that the prohibition fanatics would be permitted to run wild and hamstring both users and makers, the issuance of the completed regulations finds them not a hundred per cent satisfactory to the trade, of course, but at least, not sufficiently objectionable to seriously interfere with legitimate chemical and drug enter-To the Alcohol Trades Advisory Committee, which was constantly on the job throughout the year required to frame the new rules, and which fought tooth-and-nail any attempts to curtail the supply of legitimate alcohol, the sincere gratitude of every consumer in the country is due.

The new regulations from the trade point of view are as satisfactory as might be expected. If they are adhered to strictly by both the Prohibition Unit and the chemical and drug trades, a definite basis will be established, which is far more satisfactory than the everlasting change which keeps things constantly in an uproar. That the Government accepted to a great extent the suggestions of the Advisory Committee experts in many cases is to the credit of the Prohibition Unit, and also due in no small part to the fighting qualities of the members of the Committee and their intimate knowledge of the situation. Nobody likes to be a chronic "kicker." but the Committee followed the distasteful assignment through from start to finish, securing elimination of many an objectionable feature, and fighting attempts to unduly infringe the rights of the alcohol trades. On the face, the new rules seem practicable, although the real test will come after May first.

CLEAN HANDS

Nobody complains nowadays of the quantity of competition: there is plenty of it to go round. But, of the quality of current brands of competi-

tion, there is plenty of complaint.

Every part and parcel of the chemical and drug field is over-crowded. Manufacturers alike of industrial chemicals sold by the ton and of fine chemicals sold by the ounce, find their market overproduced. Over-production exists also in the dye industry, in the pharmaceutical industry, in the perfumery, soap, photographic, ceramic, proprietary and other industries closely allied to the chemical and drug family. In each and every group, there are strong, aggressive firms keen to keep their plants running at as close to capacity as possible, and in all groups there are also weak, desperate companies straining every nerve to keep their plants open. Among the distributors of chemical and drug products of all kinds, a similar condition exists, for there are too many importers, too many commission houses, too many brokers, too many sales agents, too many jobbers. All fight savagely to sell a surplus of drug and chemical products in a market where the demand is at present restricted to consumers' actual day to day requirements, and where sales resistance is at a maximum.

Inevitably, the result is bitter competition for business. Unfortunately, much of this competition is of a new and highly undesirable sort. Sound advice to buyers was contained in the report on market conditions, read at the American Drug Manufacturers Association's meeting last week:

"During such a transition period as we are now passing through the wise buyer is very watchful of his sources of supply. Not only is it foolish to be 'penny wise' in your purchases; but it is also foresighted to throw the weight of your buying support on the side of those suppliers who render the entire drug trade a real service and whose goods you can depend upon to be as represented, of standard quality, and sold at fair prices. Now is the time to buy cautiously. And true caution means not necessarily the cheapest price. If you, yourselves, patronize raw material suppliers of a questionable and doubtful type, you materially weaken your own case against the irresponsible, fly-by-night concerns who have entered the pharmaceutical field, since the passage of the Volstead Act."

What applies so directly to the pharmaceutical industry, can be applied also in all branches of the chemical and drug groups, and is not without its plain meaning to all those industries that consume chemicals, colors, drugs, oils, and similar raw materials. Particularly within the drug and chemical groups themselves, however, these are times when firms of honest reputation should keep their hands clean by doing business only with their own kind.

The pace-makers in industry—steel, automobile, metals, oil, coal, rubber—all except textiles have made favorable reports for the first three months of 1924, and production seems to have caught up with consumption resulting in a slowing down of buying. Now business wants to know what the buyers propose to do. Will competitive bidding cease now that supplies are no longer scarce in basic industries? Or will merchants refuse to fill their shelves until politicians realize that they are the

cause of the stagnation now felt because of their refusal to help business? No faith is felt in promises. The business world wants immediate reduction of taxes and the passage of measures that will restore confidence.

Congress has ceased to pay any attention to bills relating to industry or commerce. So many investigations are under way that members have no time to devote to the interests of constituents or the general public welfare. Senator Cummins' bill to protect interstate and foreign commerce against bribery and other corrupt trade practices is sleeping in the Senate Committee on Interstate Commerce, or the Committee is sleeping on the bill. Representative Graham's bill to the same effect or the Committee on the Judiciary is in the same somnolent state. It is time somebody rang an alarm bell in Washington which can be heard all over the Capitol.

Henry Ford, Elon Hooker and the gentlemen from Alabama are sitting in a lively game at Washington with Muscle Shoals as the stake. Ford bid \$91,000,000 for all in sight, the Southerners raised him \$45,000,000 to \$136,000,000 for only a part of the pot, and Elon Hooker, after looking over his cards, casually, has raised them to \$305,000,000, and promised to put \$30,000,000 in the kitty for the farmers.

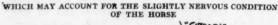
Many Men: Many Minds

Roessler & Hasslacher Chemical Co. says in the April price list: "Conservatism continues to be displayed by consuming factors, which leads us to look forward to a fairly steady and uninterrupted demand, as it is very apparent stocks are not being accumulated."

S. R. Guggenheim, president American Smelting & Refining Co. is optimistic regarding the copper outlook. He said: "I expect consumption to increase this year. When we get a reasonable income tax bill so business will be encouraged to expand then the cost of living will fall, consumption of copper will increase and we shall get 15-cent copper."

Irenee du Pont, president E. I. du Pont de Nemours & Co., who sailed on the Aquitania, last week said: "The situation in Washington is becoming disgusting as the Senate is trying to turn itself into a judiciary committee. They are as bad as Red Russia. We won't recognize Russia, but do things on a par with her. I think the proposal of the Senate to have President Coolidge's note to the Senate expunged from the records is the most highhanded piece of business I have ever heard of."

President Coolidge let it be known unofficially, last week, that he considers the business situation generally good despite unfavorable features in the textile and coal trades. Settlement of European difficulties will in all likelihood remove the depression in some places. Production is going into consumption, and where there is no future buying movement there can be no inflation. In reality, it is asserted, the country is in very much the same condition that it has been for the past eighteen months with a favorable outlook for the future.





-Capyright by The Chicago Tribuna

The Local Distributor Replies

Leaders in Chemical Distribution Tell How and Why They Are Vitally Necessary to the Industry Today

Is the local chemical distributor vitally necessary to-day? A few widely known distributors and jobbers in Chicago, Boston, Kansas City, Cleveland, St. Louis, Buffalo, and other cities, have given their views on not only this question, but on what they consider should be the real function of the local distributor. What part does he play between manufacturer and consumer? What should be his relations with and attitude toward the manufacturers? Toward the consumer? Where does his responsibility begin and end?

James K. Coyne of Philadelphia is the real instigator of the following opinions, they having been given in response to an article by Mr. Coyne which appeared recently in DRUG & CHEMICAL MARKETS under the caption, "Why Is the Local Distributor?" Bluntly and forcefully, he told what is wrong and what should be done in the distribution of less carlots of chemicals to-day. Further light is shed on this important subject.—The Editors.

M. G. BENEDICT of The Fred G. Clark Co., Cleveland: "The jobber, distributor, or sales agent is a very essential factor, not only in the chemical business but in most every other line.

The average manufacturer is not making sufficient products to warrant his establishing his own sales force in the various territories. In order to give the kind of service that consumers of his products desire, it is only essential that there be a representative in the territory to render this service, especially during dull times when purchases are made as the materials are needed. The other manufacturers who are making several items, which are in constant demand, perhaps can afford to establish their own sales force and carry stock and make money. But, as mentioned above, this could not be done by the average chemical manufacturer, so that without the assistance of a distributor or jobber, who is handling his product along with several items from various manufacturers, he could not get along."

Phillips Rogers of Rogers & McClellan, Boston: "We have read with much interest the article by James K. Coyne, entitled, "Why Is the Local Distributor?" and it seems to us that Mr. Coyne has made out a good case for the manufacturer's agent rather than for the jobber.

"Our understanding of the real jobber is one who supplies a certain territory with a varied line of chemicals which the jobber purchases in quantity, stores and delivers according to the trade's demand. The jobber as such, is not generally interested in pushing the sale of any particular manufacturer's product but purchases from the source which will furnish a satisfactory quality at the most attractive price. He may be selling an American-made chemical this year or month and a foreign-made product the next. The jobber is only interested, as a rule, in the chemical which he can purchase to the best advantage and is not interested in the chemical manufacturer's welfare or growth. We believe that this is the reason many American manufacturers of chemicals are turning to a policy of direct sales through branch offices or manufacturers' agents.

"The jobber's position is economically sound in that the jobber can distribute a commodity at a lower cost of operation than a branch office, because his overhead is divided among a much larger number of products than any one manufacturer produces and the total volume of sales, in the territory covered, are larger. As we operate, we combine both the merits of the jobber and the branch office. Like the jobber, we carry local stocks for convenient distribution and we finance all sales.

Like the branch office, we push the sale of only the chemicals for which we are agents and keep our principals fully informed as to the conditions of the trade in our territory for their commodities. We believe we give this service at a much lower cost to the manufacturer than the manufacturer can operate through a branch office because our overhead is divided among the products of a number of manufacturers. We believe that the manufacturers' agent offers a better service to the consumer than the jobber because through him the consumer is in direct touch with the manufacturer and the consumer is assured of a uniform quality of the chemicals he buys and we believe that a uniform quality is the most important factor with the majority of the consumers of chemicals."

C. T. Thompson of Thompson-Hayward & Schlueter, Inc., Kansas City: "Over a year ago, we became considerably excited or frankly worried at the decided trend of manufacturers generally to put the screws on the local distributor. We have had one or two experiences in which we have worked up a considerable volume of business, only to be subsequently eliminated by the other manufacturer through a change in their selling program.

"We have noted with a great deal of interest that so far the only result to the manufacturer has been for him to put his selling price down to the absolute minimum whereas before he was securing larger returns for the same merchandise when he was not competing against us. Second, that our volume of sales on the items which we formerly sold for the manufacturer is not showing any decided decline, with the result that we feel a manufacturer with a limited line is going to find our type of concern, not an economic nuisance but an economic necessity. The reasons for our existence are so well stated by Mr. Coyne that it is useless for us to restate them.

"One fact that special emphasis might be given to, and which has been impressed upon us; namely, the lack of co-operation on the part of the manufacturer in many instances, or of the proper selling help. We have found too often many manufacturers simply sending you a letter with a price in it, expecting you to set the world afire, or write concerns in your territory, without sending you copies of the letters, or without definitely outlining the territorial division that you are to be held responsible for. Further, if they happen to get a direct inquiry, only too often they will upset the prospect of a sale by creating competition for themselves, when

their own representative is already on the job and after the business. The necessity for a manufacturer to have a definite program, a definite territorial distribution, and a definite method of co-operation with his various representatives in a systematic and orderly fashion is only too self apparent in view of the confusion that

is existing at the present time.

"It is further unfortunate that just as there are a great many "fly-by-night" chemical jobbers, today there appears to be an equal number of "fly-by-night" manufacturers, who no sooner make a proposal for definite action, than they seek methods and means to abrogate and nullify these agreements. To speak quite frankly, we are not as greatly disturbed as we were a few months ago over this elimination of chemical jobber, as we feel we perform a definite service to the customer and to the manufacturer, and that we are serving a useful and necessary purpose, and in view of this fact, will having a continuing existence, as long as we operate in an honorable and an equitable manner."

H. J. Rolls, of the Rolls Chemical Co., Buffalo, N. Y.:
"I am not acquainted with James K. Coyne, but
he is entitled to a lot of admiration and respect and he
should be commended for his frank expression of the

subject of the chemical distributor.

"Of course, we, as distributors run up against the same thing occasionally but perhaps not so much as some of the "Fly-by-night" or "Mushroom" firms scattered throughout the country. We represent some of the finest institutions in the country, and it is rather amusing to have some buyer state that he is buying direct from the manufacturer when he invariably gives us the name of the firm who happened to be the selling agents in New York or Chicago. As a matter of fact, the buyer is not getting his material direct after all, so that in most cases we find that he doesn't even know what he is talking about or who he is buying from. There are so many intricate problems of production that the manufacturer's vision is oftentimes focused only in this direction leaving the equally vital subject of Distribution to others.

"Public opinion, unfortunately, is at times inclined to be opposed to the Jobber, Broker, and Distributor, believing them responsible for higher cost but to quote from a recent editorial in the Saturday Evening Post—'they play a most important part, and if they perform their duty with honest intent and sincerity of purpose to bridge the gap between producer and consumer, they are rendering an inestimable service to both'."

G. S. Robins, of G. S. Robins & Co., St. Louis:

"I most heartily say 'Amen' to all that Mr. Coyne has set forth.

"Being located in the middle west and therefore in a position where freight rates and spot stocks are of perhaps more vital consideration to the consumer, we are in a territory where the prejudice against a chemical jobber is therefore lessened. It can be readily understood that the chemical jobber serves a very worthy purpose from a standpoint of economics in so much that he brings carloads over a long distance and distributes in less carloads over shorter distance throughout the West and Southwest.

"Furthermore, the average chemical jobber in this territory is a merchant and not a trader. His customers prefer to purchase through him because as a general rule he has a broad understanding of many lines of chemicals and he is thus in a better position to point out technical and commercial advantages than is the salesman for the chemical manufacturer who is necessarily limited in his general knowledge.

"From the standpoint of sales expense, the chemical

jobber stands out as a very necessary economic factor in the West. Travelling expenses are extremely heavy over a territory where consumption is scattered and by combining several lines, the chemical jobber greatly decreases the cost of selling and hence the ultimate cost to the consumer. Since the chemical jobber must be able to handle many different lines of chemicals to as many different lines of consuming trade, he must necessarily be a salesman of considerable efficiency to succeed and while he perhaps is somewhat handicapped when compared to the specialist salesman of an individual manufacturer, nevertheless the very fact that he must be able to grasp the details of many lines instills in him abilities which make him able to keep in the swim with the best of them.

"The chemical jobber must hold the confidence of his customers and the respect of the chemical manufacturer. He must therefore be ethical in every sense of the word. Since without the chemical manufacturer he would not have a source of supply, the ethical jobber must therefore realize that it is to his advantage to see to it that the chemical manufacturer makes a sufficient margin of profit to continue in production. He can accomplish this result by 'sticking to schedule' and not

'disturbing the menagerie'."

M. Woldenburg of A. Daigger & Co., Chicago: "In our opinion, the place and duties of the distributor is absolutely defined, and distributing centers, such as we are in we believe, that while he may be termed an "evil" by some manufacturers, we feel that he is a very excellent example of a necessary evil. In other words we believe the distributor fills a decided economical place in the system of distribution, and that the manufacturer, in the majority of cases, will find it considerably more expensive to sell direct than through the medium of a distributor."

H. T. West of H. T. West Co., Boston:—"Sometimes the producers of merchandise, usually those newly starting in business, forget that they have to pay the salesman and the jobbing house, and their mistreatment of the jobbing house always proves to be a serious blunder. We have recently seen cases where producers have permitted the jobber to find his markets; then they attempt to throw over the jobber and go direct to the consumers and usually that is only the beginning of the producer's trouble. Mr. Coyne has correctly stated the case that the producers are represented by the legitimate chemical jobbers."

George McCormick of McCormick & Redlin, Cleveland: "In the first place there are not enough chemical engineers representing the manufacturers. A good salesman can sell anything, seems to be the policy of a great number of the chemical manufacturers. How can the layman as a salesman give the trade real service unless he knows his stuff or has had the training that will enable him to read and interpret Chemical Articles and find out for himself?

"The writer has numerous calls from his competitors asking comparatively simple questions about their own business and products. This shows a laxity on the part of the manufacturer who places the distributors. Chemicals should be sold by chemical engineers."

Carnegie Institute of Technology, Pittsburgh, has arranged a summer course in chemistry, beginning June 16. In the College of Engineering the courses will include general chemistry, advanced general chemistry, and qualitative analysis. In the College of Industries, the Department of Industrial Science will specialize in practical courses in chemistry of materials and elementary general chemistry.

Dye Output in 1923 Valued at \$50,000,000

Record Production in the History of the Industry- made in 1922. The preliminary production figures of Exceeds Figures for 1920 When Export Trade Was at Its Height-Production in 1914 Was Valued at Only \$2,470,096—Ind go Leads All Dyes With Total Output of 28,000,000 Pounds Compared With 15,850,752 Pounds in 1922-Sulfur Black Production 16,000,000 Pounds-Many New Fast Dyes Made in 1923-Average Sales Price Reduced

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 23.-The preliminary figures obtained by the United States Tariff Commission for the domestic production of coal tar dyes indicate an output of about 92,000,000 pounds in 1923, with a value of about \$50,000,000. This is a record output in the history of the industry, and exceeds that of 1920, a year of world-wide business activity when the United States had a large export trade in dyes, prior to the reappearance of German dyes in the world markets.

The 1923 production exceeds by 42 per cent that of 22. The contrast of the present industry with that of 1914 is apparent when consideration is taken of the output of 1914, which was only 6,619,729 pounds, valued at \$2,470,096. The industry of that period consisted largely of assembling plants where intermediates, imported chiefly from Germany, were converted into dyes.

The two factors largely responsible for the increase in 1923, compared with 1922, werea (1) The greater activity of the textile and other dye consuming industries; (2) The increase in American exports due to the reduced production by the German dye plants during 1923, following the occupation of the Ruhr by the French in the early part of that year.

Indigo in the Lead

Indigo leads all dyes in the quantity of production, totaling in 1923 about 28,000,000 pounds, compared with 15,850,752 pounds in 1922.

Sulfur Black totaled in 1923 about 16,000.000 pounds, compared with 12,877,649 pounds in the previous year The output of direct black E W in 1923 was nearly 7,000,000 pounds, a 30 per cent increase over that of 1922, while the output of Agalma Black 10 B was about 2,500,000 pounds, a 50 per cent increase over the

previous year.

During 1923, the variety of domestic dyes was in-creased by the production for the first time of many new dyes, these include dyes of high fastness, the importance of which is increasing as the consumer of dyes more fully appreciates the importance of fast colors. The new dyes comprise colors for the dyeing of silk, wool and cotton. The production of these new dyes of greater complexity represents a creditable advancement in the industry. The industry is still deficient to a slight extent in the production of a limited number of vat and other dyes which are now imported.

Average Sales Price Lower

The average sales price of dyes during 1923 was \$0.54 per pound, compared with \$0.60 in 1922, and \$1.26 in 1917. The 1923 sales price is a 10 per cent decline from that of 1922. The average sales price of dyes produced in Great Britain during 1922 is reported to be \$0.76 per pound compared with the price of \$0.60 in the United States for the same year.

The production of intermediates in 1923 was about 230,000,000 pounds compared with 165,048,155 pounds some of the leading intermediates are as follows:

Aniline Oil, over 26,000,000 pounds.

H Acid about 3,500,000 pounds. Phthalic acid and Anhydride, over 2,000,000 pounds. Anthraquinone, over 800,000 pounds.

The preliminary figures for the imports of dyes into the United States during 1923, indicate an importation of 3,100,000 pounds with a value of \$3,200,000 as compared with imports of 3,982,631 pounds valued at \$5,-243,258 for 1922. Of the total imports of 1923, 47 per cent came from Germany; 28 per cent from Switzerland; 6 per cent from France; 12 per cent from Italy; 4 per cent from the United Kingdom; and 3 per cent from all other countries. Prior to the war about nine-tenths of the dyes consumed in the United States were imported, whereas over nine-tenths of the domestic consumption is now produced in the United States.

Exports of Dyes Increase

The exports of coal tar dyes during 1923 show a significant increase compared with those of the previous year, totaling for 1923, 17,924,200 pounds, valued at \$5,-565,267, against 8,344,187 pounds with a value of \$3,996,-443 for 1922. The value of exports in 1923 is an 81 per cent decline from 1920 when exports reached the maximum of \$29.823.591. This was a boom year and represented conditions before German dyes had reappeared in the markets.

The increase in 1923 of exports of dyes may be largely accounted for by the restricted exports of dyes by Germany due to political conditions and the occupancy of the Ruhr by the French. The German dye production for 1923 was 25 per cent less than for 1922. In the latter part of 1923 the monthly output of dyes by Germany was steadily increasing and German dyes are recently reported to be offering sharp competition to the American and British dyes in the markets of the Far

DU PONT BRITISH PAYMENTS NOT TAXED

The British Revenue Commissioners decided that payments made by E. I. du Pont de Nemours & Co., to British Dyestuffs Corp., under an agreement by which the American company has exclusive rights to British Dyestuff Corp.'s patented inventions and secret processes in the United States, are income and should be included in assessments. An appeal was taken first to a lower court and then to the Court of Appeal, which recently decided that the payments were made as a capital asset and should not be included in the assessments for excess profits duty. The higher court held that £250,000 so paid by the American company to British Dyestuffs Corp. was not a trading profit. The payments of £25,000 annually began July 1, 1917 and are to be made for ten years until July 1, 1927.

David Wesson, of Jersey City, was elected president of the New Jersey Chemical Society at the April meeting held in Stetter's restaurant, Newark. Other officers elected are Herbert B. Baldwin, vice-president; Frederick W. Zons, secretary; Allen R. Cullimore, Newark, trea-

L. V. Redman, formerly of the Chicago office of the Redmanol Co., will be located in the future at the New York office and the Bloomfield, N. J. plant of the Condensite Company.

W. Benkert & Company, Inc., formerly of 136 Water st., are now located at 81-83 Fulton st.

CHEMISTS OPPOSE CRAMTON BILL

Report by Dr. Martin H. Ittner, Urging Appointment of Commissioner of Industrial Alcohol Unanimously Adopted—Allied Chemical and Dye Corp. Withdraws Offer of \$25,000 Prize-Safety First Discussed

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 23 .- A report opposing the Cramton bill, which would give control of industria! alcohol to the Prohibition Commissioner, was adopted by the American Chemical Society. The report was



DR. LEO H. BAEKELAND

drawn by Dr. Martin H. Ittner, chief chemist of Colgate & Co. The necessity of establishing a Commissioner of Industrial Alcohol to control alcohol needed in the industries is urged in the report. Dr. Ittner said that chemists are opposed to legislation which would place the administration of those portions of the law which have to do with the manufacture, production, use or sale of high proof spirits for other than beverage purposes in the hands of Prohibition Commis-

sioner. The report says in part:

"Practically all industries now using pure tax-paid alcohol, procurable only through Prohibition Directors, have been compelled times without number to apply to the Commissioner of Internal Revenue for relief from unwarranted conditions imposed upon them by the Prohibition Commissioner. As an illustration the Standard Oil Co. of New Jersey applied for five gallons of pure alcohol for use in its Eagle works in Jersey City. It had already procured a basic permit from the Prohibition Commissioner. It took over six weeks for the company to get the alcohol.

But it has been not only because of delays in procuring tax-paid pure alcohol that the Prohibition Commissioner has embarrassed legitimate industry, but in exacting vexatious and unreasonable bonds, requiring the keeping of complicated records, subjecting plants to inspection by ignorant and prejudiced prohibition policemen, and generally treating law-abiding manufacturers

as potential bootleggers."

Announcement was made that the annual prize of \$25,000 offered by Allied Chemical and Dye Corp., 61 Broadway, New York, had been withdrawn. The award was announced in 1922, to be given through the American Chemical Society for the greatest work done in chemistry by Americans. In a letter to the Society Dr. William H. Nichols gave as a reason for breaking off negotiations that the Society had failed to offer an acceptable plan. His letter was not given to the public, but was said to leave the impression that the corporation still intended to give the \$25,000 a year, but to choose the winner without the assistance of the Society.

CHEMISTS DISCUSS "SAFETY FIRST"

An interesting report was received from the Committee on Occupational Diseases and Hazards in the Chemical Trades, in which it is contended that the great expansion of the industry in the United States demands the adoption of a system of accident prevention and industrial health.

Dr. Lewis W. Fetzer of Dallas, Texas, is chairman of the

committee who says:

"It is the opinion of the committee that one of the most important services which the American chemical industry

can render for itself, and probably the most far-reaching in effect, is to make a genuine industrial health survey of its industries. It is only upon the basis of data obtained by properly qualified persons that we are able to formulate conclusions rational and just to employer and employee alike.

In addition to Dr. Fetzer, those who compiled the report were George P. Adamson, Huntington, L. I.; Edward Barlow, University of Iowa; H. K. Benson, University of Washington, Seattle; M. L. Crossley, Bound Brook, N. J.; H. H. Dow, Midland, Mich.; F. R. Eldred, Mamaroneck, N. Y.; Elias Elvolve, Washington, D. C.; E. K. Strachan, Providence, R. I., and A. H. White, University of Michigan.

It is expected that 2,000 members will attend the six-day meeting of the society. Professor Leo H. Baekland of Columbia University, the society's President, presided at the opening meetings.

CANADIAN TARIFF CHANGES BENEFIT U. S. (Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, April 23.—George Henderson, of Brandram, Henderson & Co., Ltd. Montreal, in an interview on the new tariff, stated that it was a serious blow to the Canadian paint and varnish trade. The whole tariff on paints, varnishes, white lead and other paint and varnish products is reduced to a straight 71/2 per cent when these are used in the manufacture of agricultural implements. The spread of from 7½ to 10 per cent between the general and the preferential tariff is abolished so that the British exporter will lose the benefit of the preference and practically the whole trade will go to the United States. In some cases the reduction in the Tariff is greater than the manufacturers' profit. Paint and varnish manufacturers who depend mainly on agricultural implement makers for their trade will have to find new outlets or go out of business.

Andrew Livingston, manager of the branch plant of the Cross Fertilizer Co., at Sydney, N. S., announces that he has received instructions to close down the plant on May 31 owing to the removal of the duty on fertilizers. It is understood that the plant of the Scottish Fertilizer Co. of Welland, Ont., operated by the

same concern, will also be closed down.

JOHN ELIHU DWIGHT DEAD AT 80

John Elihu Dwight, president, Church & Dwight Co., soda manufacturers, died at his home, 33 Mt. Morris Park, West, New York, April 10. He was in his eightieth year. Mr. Dwight was a son of John Dwight, founder of John Dwight & Co. in 1840, pioneer soda manufacturers. In 1896, the business was consolidated with Church & Co., forming the corporation of Church & Dwight Co. Mr. Dwight succeeded the late E. Dwight Church, who died in 1908, as president of the company. In his early days, Mr. Dwight was in the flour milling business, entering the soda field in 1882. He then became a resident of New York and later established a summer home at Falmouth, Mass. He is survived by a son, John E. Dwight, Jr., and two daughters, Mrs. Mabel Dwight Bussey and Mrs. Ruth Dwight McVitty.

Burton T. Bush, president, Burton T. Bush, Inc., New York, manufacturers of aromatic chemicals, was elected chairman of the Organic and Medicinal Chemical Section, Synthetic Organic Chemical Manufacturers Association, Apr. 17, to succeed George F. Richmond of Antoine Chiris Co., New York, which company recently sold its plants at Delawanna and Bayonne, N. J. to Mr. Bush's firm. Mr. Bush was formerly head of the American house of Antoine Chiris Co. The Chiris company is no longer manufacturing in the United States, confining its activities to the sale of floral products from its plants in France.

DR. REESE RETIRES AS DUPONT DIRECTOR

To Engage in Research After May 1—To Be Succeeded by Dr. Charles M. Stine

(Special to DRUG & CHEMICAL MARKETS)

Wilmington, Del., April 23.—Dr. Charles Lee Reese, technical director, E. I. du Pont de Nemours & Co., since 1911, has resigned as director, effective May 1 to engage in research work. He will retain an office



DR. CHARLES LEE REESE

and laboratory in the du Pont Building where he will work out chemical research and development problems. He will also act as a consulting expert when necessary. Dr. Reese will be succeeded by Dr. Charles M. Stine, for some years assistant director, and who has been with the du Pont organization since 1907. No other changes in the chemical department are expected.

Dr. Reese, who is 61 years old, graduated from the University of Virginia and received his Ph.D.

from Heidelberg in 1886. Honorary degrees include doctor of science from Pennsylvania and Colgate. He taught until 1900, at which time he became associated with the New Jersey Zinc Co. In 1902, he became chief chemist for the Eastern Dynamite Co., assuming charge of the du Pont high explosive section in 1906. On Feb. 1, 1911, he became chemical director for the company. Immediately after receiving his Ph.D. from Johns Hopkins in 1907, Dr. Stine joined the du Pont staff and has been connected with the company ever since. He is a graduate of Pennsylvania College, and did research work at the University of Chicago.

An application of transportation companies for a rehearing and re-argument in the case of the Mathieson Multi-unit tank car has been refused by the Interstate Commerce Commission. In a decision rendered Jan. 31, 1924, the Commission approved the multi-unit car for the shipment of liquid chlorine and ruled that this car was entitled to the same freight rates and privileges as any other tank car.

Average hourly earnings of all wage workers in the fertilizer manufacturing industry in January, 1924, were 32.8 cents, an advance of 12.3 per cent over January, 1923, says a report issued by the National Industrial Conference Board, 10 E. 39th st., New York. Hourly earnings of unskilled male labor had advanced 14.3 per cent, but skilled male labor suffered a slight loss.

The Interstate Commerce Commission has found unreasonable the rates on sulfuric acid, in carloads, from Grasselli and Brills, N. J., to Seaboard, N. J., during Federal control. Reparation was awarded. The decision was in case No. 14013 of the Seaboard By-Product Coke Co., of Seaboard, N. J., against the Director General of Railroads.

Senator Pepper of Pennsylvania, has introduced a bill "to safeguard the distribution and sale of certain dangerous caustic or corrosive acids, alkalis, and other substances in interstate and foreign commerce." The bill has been referred to the Committee on Interstate Commerce.

CRAMTON BILL AND ALCOHOL TAX FIGHT DESCRIBED IN TOILET GOODS REPORT

Representative Crounse Tells of Washington Activities

—Thirtieth Annual Meeting of American Manufacturers of Toilet Articles Being Held in New York

The Cramton Bill and the activities to have the tax on pure ethyl alcohol reduced to \$1.10 per proof gallon received most of the attention in the annual report of the Washington representative of the American Manfacturers of Toilet Articles, W. L. Crounse, given Wednesday morning. Price maintenance legislation was also touched on by Mr. Crounse in his report.

The thirtieth annual meeting opened Tuesday afternoon, Apr. 22, at the Hotel Biltmore, New York, with reports of the officers and various committees. Sessions will last through Thursday afternoon, and the convention will terminate with the annual banquet Thursday evening. Only two addresses by other than members were heard during the first two days, including "Design Registration" by E. W. Bradford, attorney for the Design Registration League, Washington, D. C., and "Business Ethics" Hon. Nelson B. Gaskill, member of the Federal Trade Commission. All other discussion was confined to reports of the Washington representatives, W. L. Crounse, the framing of resolutions, and discussion of alcohol and tax legislation. An address by Sidney M. Colgate was heard. No outsiders are scheduled to speak on Thursday.

A theatre party at the Apollo Theatre, where the musical comedy "Poppy" is playing, was held Tuesday evening, followed by supper and dancing at the Biltmore Hotel. The banquet on Thursday evening will hear as speakers: General Henry T. Allen, Commander of the American Army on the Rhine; and the Rev. Roy E. Mann pastor, Grace Methodist Episcopal Church, Brooklyn, N. Y. Walter T. Hathaway will act as toastmaster. The convention committee is composed of Mr. Hathaway, Edward V. Kileen, Burton T. Bush, August F. Kramer, and Louis S. Levy.

S. H. Rubens, chairman of directors of United States Industrial Alcohol Co., told stockholders at their annual meeting, April 17, that the directors have no intention of resuming dividend payments on common stock until they feel certain that payments can be maintained. All retiring directors were re-elected.

A new product for exterminating the cotton boll weevil has been announced by the Texas Company. Experiments were conducted last year with results reported satisfactory. The new process utilizes petroleum or a by-product as a base and is applied in the form of a spray.

P. C. B. Newington and G. H. Cullimore, sailed recently from San Francisco for Washington Island, in the South Seas, to serve for three years as manager and assistant manager for Fanning Island, Ltd., of London, extensive handlers of copra.

By the terms of an agreement between Italy and the Soviet Republic, the Russian import duties on sulfur, horic acid, and borax, cream of tartar, citric acid, olive oil, and citrus oils from Italy have been reduced.

The steamship Yokohama Maru, which arrived at Seattle, recently, carried 490 cases of arsenic for John D. Lewis & Co. and 162 cases for the Chemical National Bank.

Calvin G. Hutchinson, who represented Colgate & Co., in New England for thirty years prior to 1900, died in Boston on Apr. 11, at the age of 88.

PRODUCTION COSTS ARE TRADE SECRET, AMERICAN NITROGEN CO. IS PROTECTED

Tariff Commission Upheld in Its Refusal to Give Information to Norwegian Nitrogen Products Co.-Supreme Court of District of Columbia Overrules Demurrer in Tariff Suit-Case to Be Taken to Supreme Court

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 23.-Trade secrets include costs of production says Justice Siddons of the Supreme Court of the District of Columbia, in a decision upholding the Tariff Commission and overruling a demurrer of Norwegian Nitrogen Products Co., to the Commission's answer to a court order to show cause why the Commission should not permit the inspection of records which would disclose the costs of production of American Nitrogen Co. Marion De Vries, counsel for Norwegian Nitrogen Products Co., says he will demand a trial on the facts in the District Supreme Court, or if this request is denied he will carry the case to the United States Supreme Court.

The litigation was started by Norwegian Nitrogen Products Co., of New York, which opposed before the Tariff Commission the application of American Nitrogen Co., of Seattle, for an increase in the duty on sodium nitrite, in the form of mandamus proceedings to compel the commission to permit the opponents to the tariff rate petition opportunity to examine cost of production data obtained by the commission from American Nitrogen Co. and held as confidential. The commission took the position that it was forbidden by the terms of the tariff act to divulge confidential information placed in its hands by parties to a proceeding under the flexible

provisions of the act.

Upholding the contentions of the commission, Justice Siddons ruled that the Tariff Commission is exclusively an investigating and fact finding body and that the results of its investigations are primarily for the use of the President, committees of Congress and Congress itself. He held that there was no property right in the usual sense of the term in an existing tariff duty which was at all times subject to the will of Congress, which may even place the article in question on the free list.

Recessions in industrial production have been fairly numerous since the February peak, and wholesale prices show a sagging tendency, says the Irving Bank-Columbia Trust Co's review of business conditions. Business men in all parts of the country are feeling increasing dissatisfaction with the effects of political animosities in Washington, and they deplore the disregard shown by Congress toward the insistent demand for tax reduction. Although credit conditions are generally sound, the mental unrest, is not conducive at present to a confident, forward-looking policy, and it seems probable that hand-to-mouth purchasing will continue. This must naturally increase the cost of selling goods.

Carloadings for the week ended April 5 were 862,096, a decrease of 45,452 below the previous week and 34,279 less than the same week a year ago. The decline is said to be due to drop in coal loadings and to bad weather.

The following judgments have been filed: New York County, Barrett Co, against J. Early Wood, Inc., for \$5,785.29; Bronx County, E. Monett, against the American Medical Products Co., Inc., & Otto G. Zorn for \$363,87.

American Glue Co. has declared a quarterly \$2 preferred dividend payable May 1 to record April 16.

New Incorporations

Standard Chemical Co. of California, San Francisco, \$250,000. Manufacture chemicals. Louis Sloss, Joseph Sloss, L. C. Greene, F. G. Cartwright and H. L. Huston.

Stanley Drug Co., Philadelphia, \$200,000. Manufacture and deal n drugs. Jacob G. Goldblum, 6549 Lebanon ave.

Good Samaritan Ointment Co., Philadelphia, \$10,000. Manufacture ointments. Adam Batdorf, East Ross st., Lancaster, Pa. G. G. Balch Co., Pittsburgh, \$30,000. Manufacture extracts. G. Balch, 507 Tripoli st.

G. G. Balch, 507 Tripoli st.

Universal Polish Manufacturing Co., Wilmington, Del., \$100,000.

Manufacture shoe polishes. Charles L. Geyer.

Vic Manufacturing Co., New York, \$50,000. Manufacture scaps and medicines. R. E. Carpenter, E. R. Parsons, H. C. F. Leddin. Attorney, D. A. Wilson, 15 Park Row.

Eureka Chemical & Engineering Co., Wilmington, Del., \$100,000.

Manufacture artificial silk. Henry R. Isaacs, Wilmington.

Beaver Glass Manufacturing Co., Dover, Delaware, \$1,000,000.
Manufacture glass. U. S. Corporation Co.
Superfine Textile Mills, New York, \$16,000. Textiles. E.
Fisher, D. Paston, H. Pastor. Attorney, J. L. Grubel, 80 Maiden

Lane.

David Welsh, New York, \$100,000. Dyers. D. Welsh, A. Young, B. Hoffman. Attorneys, Delehanty, Griffin & Evans, 111

American Fire Extinguishing Co., Wilmington, Delaware, \$150,000. anufacture. Wm. H. Lynch, Alex. Jamieson, Margaret Jamieson. Manufacture.

Ajax Industrial Chemical Co., Wilmington, Delaware, \$50,000. Manufacture chemicals. Corporation Trust Co. of America.

Triplets Corp., Memphis, Tenn., organized in Delaware, \$300,000. Manufacture candy, P. J. Quigley, T. A. Dotson, W. W. Fisher. Corporation Service Co.

Plymouth Textile Corp., New York, \$30,000. Manufacture furniture coverings. L. H. Dittenheimer, S. J. Bamberger, N. A. Gros. Attorneys, Hyman and Hyman, 334 5th ave.

Fairton Silica Kaolin Products Co., Wilmington, Delaware, 250,000 M'ning of clay and silica. Martin E. Smith. Consolidated Linen Mills, New York, \$100,000. Manufacture extiles. A. Wiener, A. Cone. Attorney, L. A. Sable, 51 textiles. A. Chambers st.

Eastern Sand-Lime-Brick Co., Wilmington, Delaware, \$1,300,000. Manufacture. American Guaranty & Trust Co.

American Minerals Corp., Wilmington, Delaware, \$1,000,000. Minerals. Horace G. Eastburn.

Solidoil Products Co., Wilmington, Delaware, \$200,000. Manuacture soap. Colonial Charter Co. facture soap.

Castle Kind Co., New York, \$1,000,000. Tanners and leather merchants. L. S. Pipkin.

Morris Herrman & Co., New York, \$325,000. Paints, varnishes, oils. E. S. Brussel, E. Blum, F. A. P. Pherson. Representatives, Brussel & Beebe, 165 Broadway.

Crown Oil & Wax Co., Pratt & 2th sts., Baltimore, \$500,000 Herbert A. Megraw, Edward E. Hargest, Jr., Wirt A. Duvall, Jr. Lion Match Co., New York, \$500,000. J. L. Kraus, 2d, B. R. Hudes. Representative, Maurice Hyman, 358 Fifth ave.

H. S. Brower, Richmond, N. Y., \$40,000. Paints, varnishes R. H., H. S., and J. W. Brower. Representative, E. C. Sherwood, 30 East 42nd st., New York.

Pennant Tire & Rubber Co., 115 Wadsworth av., New York, \$200,000. Arthur Zimmerman, Arthur M. Levy, J. C. Robb.
Sterzer & Blair, Hackensack, N. J., \$100,000. Manufacture rubber goods. Henry G. Stertzer, Myers H. Blair, Susan Haefner.

Walton-Pilgrim Co., Ford Building, Wilmington, \$100,000, par value \$100. Make rubber goods. F. G. Hansell, E. M. Mac-Farland, J. Vernon Pimm. Colonial Ink Co., Wilmington, Del., \$1,000,000. Agent, Charles

Drugs Products Co., New York, \$1,000,000. S. C. Thorburn, formerly sales manager of International Proprietaries Co., president: W. O. Parker, and C. H. Black.
Benjamin Chemical Co., Dover, Del., \$50,000. Toilet preparations.
Benjamin Wilson, N. F. Dunn, Joseph H. Smith. Capital Trust

Benjamin Wilson Co. of Delaware.

Special Chemical Products, New York, 25 shares common stock, no par value. H. L. Beckett, O. R. Tree, A. Stern. Attorney, W. G. Brown, 233 Broadway.

Enterprise Rubber Co., 137 East State st., Trenton, N. J., 00,000. Leo McCue, Jeanne E. Catana, John Masich. Binghamton Paint & Varnish Co., Binghamton, N. Y., \$20,0 J. G. Brownlow, J. D. Baer. Representative, H. A. Yetter.

Federal Match Corp. has declared a quarterly dividend of \$2 per share on the preferred stock, payable May 1 to holders of record April 20.

National Lead Co. has declared a quarterly 134 per cent preferred dividend, payable June 14 to holders of record May 23.

QUOTATIONS ON CHEMICAL STOCKS Closing Prices for Week Ending April 19

Closing Frices	TOT	AA CCK THIRING WALL TA	
Bid	Asked	Bid	Asked
*Air Reduction 72	73	Hercules Powder100	102
*Allied Chem. & D. 673/4	673/4	Hercules Powd., pf.103	105
*Allied Ch. & D., pf.1111/2	112	Heyden Chem 11/2	134
*Am. Ag. Ch 9	934	Hooker Electro 8	15
*Am. Ag. Ch., pf 25	251/2	Hooker Electro, pf 36	42
*Am. Chicle 1534	17	*Household Products 3114	321/2
*Am. Chicle, pf 61	65	*Int. Agricult 1/2	34
Am, Cyan 96	100	*Int. Agricult. New. 33%	4
Am. Cyan., pf 74	76	*Int. Agricult., pf 47/8	
*Am. Druggist S 41/2	5	*Int. Nickel 121/8	121/2
Am. Glue 38	40	*Int. Nickel, pf 75	783/4
Am. Glue, pf107	111	*Int. Salt 711/2	89
*Am Linecod 1414	151/2	*Mathieson Alk 32	323/4
*Am. Linseed, pf 32	34	Merck & Co., pf 62	65
*Am. Zinc 8	81/4	Merrimac 94	96
*Am. Zinc, pf 26	29	Mulford Co 32	38
Archer-Dan-Mid 20	22	Mutual Chem	110
Archer-Dan-Mid., pf. 85	851/	*National Lead1271/2	128
*Atlas Powder 48	51	"National Lead, pf.1121/2	114
*Atlas Powd., pf 85	87	N. J. Zine145	147
		Niag. A., pf 96	100
By. Prod. Co 37	40	Porks Davis & Co 75	80
Carborundum135	1351/2	Parke, Davis & Co. 75 Penn Salt 81	83
Carborundum, pf1151/2	116	*Papple's Cas Chi 021/	9374
Casein Co 70	80	*People's Gas, Chi. 931/2	
Celluloid Co 74	77	Procter & Gamble123 Procter & Gam., pf104	126 108
Celluloid Co., pf108	110		
Ches Mfg406	410	Royal Bak. Po130	136
Ches. Mfg., New wi. 511/2	52	Royal Bak. Po., pf 981/2	991/2
Ches. Mfg., pf112	115	Sherwin-Williams 30	31 103
"Com'l Solv. A 54	543/2	Sherwin-W., pf100	100
*Do B 45	481/2	Stand. Ch 90	56
*Corn Products16534	1663/2	Swan & Finch 541/2	7
*Corn Products, New	200/2	*Tenn. C. & Chem. 678	89
w.i 331/8	333/4	*Tex. Gulf, Sul 58	571/2
*Corn Products, pf115	117	Union Carbide 57	3/72
		Union Sulphur	751/2
*Davison Chem 441/2	45	*Un. Drug 747/8	
Dow Chem. non par. 45	20	*Un. Drug, 1st pf 45	47
Dow Ch., pf 93	98	*Un. Dyewood 39	44
*Du Pont de Nem121	122	*Un. Dyewood, pf	9154
Du P't de Nem. Db. 84	871/2	Un. Gas Imp 64	561/2
*Eastman Kodak10834	109	Un. Gas Imp., pf 56	
*Eastman Kodak, pf.1061/2	108	U. S. Gypsum 835%	841/2
*Freeport Tex 834	9	*U. S. Indus. Al 66/2	
	-	*U. S. Indus. Al., pf.1001/2	103
*Gold Dust 31	32	*VaCar. Ch 21/8	23/4
Grasselli120	123	*VaCar. Ch., pf 73/8	75/8
Grasselli, pf103	104	*V. Vivaudou 8¾	9
	-	estate and the same and the sam	

*Listed on New York Stock Exchange

ALLIED CHEMICAL CONSERVES ASSETS

Allied Chemical and Dye Corporation's report substantiates statements of the conservative policy of the management, says "Financial America." and the desire to conserve the assets of the company until there is produced an impregnable wall against the hazards of even the most trying economic conditions. The company could increase its dividend rate on the common to \$5 annual rate and still be well within the bounds of conservatism, but from all indications, the current year will be one of extensive accumulation of assets. As pointed out by President Nichols, earnings are expanding through economies of operation, which the company is constantly effecting by consolidation of units and refinements of processes.

Sherwin Williams Co. has declared an extra dividend of 12½c a share on the common and the regular quarterly dividends of 50c a share on the common, both payable May 15 to holders of record April 30, and 1¾% on the preferred, payable June 2 to holders of record May 15.

The Flash Chemical Co., a Massachusetts corporation, shows surplus of \$28,308 for 1923. Accounts receivable are \$12,285 and notes and acceptances are \$6,893. Accounts payable are \$5,468; good will \$38,000.

Will & Baumer Candle Co. has declared a quarterly dividend of 25c a share on the common stock, payable May 15 to holders of record May 5.

Procter & Gamble Co. has declared a quarterly dividend of 5 per cent on the common stock, payable May 15 to stock of record April 25.

UNITED DYEWOOD EARNS \$2.86 A SHARE

United Dyewood Corp. shows net income of \$649,809 after taxes and charges, for the year ended Dec. 31, equivalent to \$2.86 a share on \$13,918,300 common stock after payment of preferred dividends. In 1922 the company's net earnings amounted to \$2,075,037 or \$13.04 a share on common. Income for 1923 compares as follows:

Operating profit Other income	1923 \$2,115,804 56,711	1922 \$2,532,869 42,395
Total income	\$2,172,515 652,493	\$2,575,264 500,227
Special charges	897,213	
Net income	\$649,809	\$2,075,037
Preferred dividends	251,300	258,825
Comon dividends	835,098	835,098
Subsidiaries dividends	53,909	48,083
Deficit*Surplus.	\$490,598	*\$933,031

Consolidated balance sheet of United Dyewood Corp. and subsidiaries as of Dec. 31, 1923, follows:

Assets: Plant and property, less depreciation, \$3,059,501; preferred stock in treasury, \$879,988; cash, \$1,147,636; United States and other government securities, \$451,136; accrued interest and dividends, \$1,696; bills and accounts receivable, \$3,326,988; securities, \$606,254; inventories, \$6,443,403; advances, \$44,039; cash on deposit for dividends, \$270,899; debit items, \$319,525; goodwill and excess of cost over par value of subsidiary companies owned, \$13,184,110; total, \$29,735,175.

Liabilities: Preferred stock, \$4,500,000; common stock, \$13,918,300; stocks and bonds of subsidiaries not owned, \$342,048; bills and accounts payable \$2,646,050; special compensation of employees, etc., \$224,249; federal taxes accrued, \$453,839; reserves, \$3,121,020; profit and loss surplus, \$4,529,669; total, \$29,735,175.

The following companies have increased their capitalization: Cleno Chemical Products Co., New York, from 60 shares of preferred stock to 500 shares preferred, \$100 par value, and 500 shares common, \$100 par value; Cornellist Textile Corp., New York, from \$50,000 to \$150,000; Lion Match Co., New York, from 3,000 shares common and 2,000 preferred, \$100 par value, to 6,000 common and 4,000 preferred stock, \$100 par.

General Asphalt Co.'s report for the year ending Dec. 31, 1923, shows net earnings, after preferred dividends, equivalent to \$3.55 per share on the \$19,876,000 outstanding common stock, compared with \$1.20 earned on the outstanding common stock in the previous year. Net income for 1923 amounted to \$1,078,106, after depreciation, interest, and other charges, which compares with \$611,127 for 1922.

Edward J. Cornish, president of National Lead Co., denied that directors contemplated a stock dividend. He said the directors did not consider the present an opportune time to increase the recent dividend rate of \$8 a share per annum on the common stock.

Garrod Hill Chemical Corp. has designated the Secretary of State as its representative in New York. The company is capitalized in Delaware for 2,500 shares of preferred stock, \$100 par value, and 2,500 shares of common stock, \$100 par value.

The following judgments have been filed in New York County: Golden Star Dye Works, against Progressive Color and Chemical Co., for \$342.73; Steffen-Braham, Inc., against Eastman Chemical Corp., for \$115.95.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 1260-1262

ACETIC ACID AND LEAD ACETATE LOWER

Reduction Follows Decline in Calcium Acetate to 3cfb.

—Acetone Selling at Lower Levels—Barium Chloride
Strong—Prussiates Weak—Caustic Potash Firm—Arsenic and Calcium Arsenate Dull—Chemical Market
Continues Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Barium Chloride, Imp., \$2.00 ton

Acetic Acid, 25c@89c 100 lbs.
Calcium Acetate, ½c lb.
Lead Acetate, ½c lb.
Calcium Arsenate, ¾c lb.
Calcium Prussiate, Imp., ¼c lb.

T	rend of			_		
	Today		Last	Last Year	War Peak	Pre- War
Acetic Acid, Glacial! Sulfuric Acid, 66 deg., to		\$.12 14.00	\$.123/4 14.00	\$.1294	\$.191/2	\$.07 20,00
Ammonium Sulfate.100 tb		2.70	3.00	3.50	7.50	2.65
Bleaching Powder100 fb Copper Sulfate, c/1.100 fb		1.90	1.90	6.40	9.50	1.50 4.50
Potash Caustic, Imp!					-87	.08
Soda Ash, 58 p.c100 to		1.94	1.94	2.00	8.50	.60
Caustic Soda, 76 p.c.100 lb Potassium Bichromate!!	b09%				9.50 .65	1.42 0634
Sodium Prussiate, Imp. !	b10½	.10%	.11	.18	1.25	.18
Average	2.950	2.960	2.980	3.318	10.79	2.99

A reduction in calcium acetate followed by declines in acetic acid and lead acetate have been the outstanding features of the week in industrial chemicals. The new price schedules are expected to stimulate buying which has shown a marked decline during the past month or two. But with general business conditions rather uncertain, the prospects of any great increase in buying because of a few price reductions are somewhat unsatisfactory. Most of the chemicals now being consumed in the various industries are being supplied on contract, in many cases requirement contracts, and the spot market is being neglected. Consumers are dealing directly with manufacturers more than at any time in the history of the chemical industry, due to manufacturers' policy of going after smaller consumers more than formerly. Reports of wage reductions and strikes from textile districts indicate that resumption of activity in this field is still in the distance. Leather and paper are still below normal activity. Imported chemicals have been coming in more freely again after a temporary suspension of exports from Germany. A gradual downward tendency to chemical prices is noted after maintaining steady tone during the recent dull period.

Acid, Acetic—Following the second reduction in lime acetate within a month, makers reduced their prices accordingly. The new schedule is quoted: 28%, \$3.12 (\$\$3.37 as to quantity in barrels; 56%, \$5.85@\$6.10; 70%, \$7.20@\$7.45; 80% commercial, \$8.19@\$8.44; 80% pure, \$9.98@\$10.23; Glacial \$11.01@\$11.76.

Acid, Formic—Only imported material is available and is in steady demand with 90% material quoted 13c@13½ctb. and 85%, 12½c@13ctb.

Acid, Oxalic—Perhaps a trifle firmer than recently but still at low levels due to competition and lack of demand. Domestic quoted 10½c@11ctb. and imported at 10½cfb. spot.

Acid, Sulfuric-Current business is reported rather quiet though the demand for small quantities has been

fairly good. Prices show no change with tank cars of 66° quoted \$14.00@\$15.00 ton and drums \$1.10@\$1.25 per 100ths.; carboys, \$1.35@\$1.75 as to quantity; 60° acid in tanks, \$9.00@\$10.00 ton. Oleum is quoted \$17.00@\$18.00 ton in tanks and \$1.25@\$1.50 hundred in drums.

Acetone—Selling levels are slightly lower mainly through competition rather than the lower market in lime acetate. C.P. selling at 15½c@16ctb. and methyl acetone 85cgal. in tanks and up to 90c in drums.

Ammonium Chloride—No active demand exists but supplies of domestic material are moving out regularly. White is quoted 7½c@8ctb. and grey 8c@8½ctb. Imported white is quiet and sales with occasional sales reported at 6½c@634ctb. Grey, 7½ctb.

Arsenic—The dull situation of the past few months still prevails. Supplies are coming in in fairly large quantities but no sales of consequence are reported Imports at New York last week were 2,870 cases and 772 bbls. Holders of spot supplies will entertain any reasonable bid but buyers are not interested. The market appears to be around 10½c@11cib. though firm orders could find lower prices. Calcium arsenate is offered at lower prices but practically no buying is reported. Quoted 11c@12cib.

Barium Compounds—Barium chloride is in limited supply on spot and prices are consequently strong with imported quoted \$90.00 ton. Domestic is sold up and makers are quoting \$90.00 ton, works, for future delivery. The carbonate is also in limited supply at \$66.00@\$67.00 ton, spot. Domestic quoted \$68.00@\$70.00 ton works. Nitrate is firm, 834clb. Hydrate, 5clb.

Bleaches—Contract deliveries are proceeding steadily while new business is coming in from time to time. With the approach of warmer weather there is a tendency to look for lower prices but present selling levels are being maintained. Bleaching powder is selling at \$1.90 for carlots of large drums at the works on contract and \$2.15 for small drums. Less than carlot business is quoted 25c higher than carlots. Liquid chlorine is holding at recent levels with tank cars on contract quoted 4½clb. and carlots of cylinders, 5½clb.; less than carlots are 6½clb. and less than ton lots, 7½clb.

Copper Sulfate—Spotty conditions are reported with buying active for a few days, then quiet the rest of the week. Most of the agricultural buying has been completed and industrial demand is limited. Domestic makers are unchanged at \$4.85@\$5.00 according to quantity while imported material is offered at \$4.40@\$4.75 on slow demand.

Calcium Acetate—Producers have announced another reduction of ½clb. and are now quoting lime acetate 3clb.

Glauber's Salt—Quiet with makers quoting \$1.30@ \$1.75 as to quantity.

Lead Acetate—Following the recent reductions in acetic acid and lower market in lead, makers have reduced prices 4cfb. and now quote white crystals 144c@15cfb.; broken, 13.9cfb.; granulated, 14.15cfb.: powdered, 154cfb.; brown, 134cfb.

Potash, Caustic—Spot prices continue firm with imported quoted 6%c@7ctb. though demand is of no consequence.

Potassium Permanganate—Limited buying with imported and domestic holding at 14c@15clb. spot.

Potassium Bichromate—Current buying reported quiet while contract deliveries are fairly steady. Makers' prices unchanged, 9½c@9¾ctb.

Potassium Prussiate—Red is offered at lower levels of 38c@40ctb. while the yellow is holding at 18c@19ctb.

Soda Ash—While new business is negligible, deliveries for the month have been better than expectations for the season. Contract prices are unchanged, makers quoting carlots on contract at \$1.25 for bulk, \$1.38 in bags and \$1.63 in barrels at works. Less than carlot business on spot quoted \$2.04@\$2.19 in bags and \$2.29 @\$2.44 in barrels.

Soda, Caustic—Consumption continues along normal lines with prices steady. Deliveries for this month are reported better than those of the preceding month. Contract prices are quoted \$3.10 for 76% solid in carlots at works. Spot business in less than carlot quantities named at \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.

Sodium Acetate—Holding at 5c@51/2cfb. on routine demand.

Sodium Bichromate—Little new business reported with prices unchanged at 7½c@7¾ctb.

Sodium Prussiate—Imported material is quiet and weak with sales at 10½ctb. Domestic quoted 12ctb.

Metals

Copper has been in slightly better demand during the week and sales have been noted at 13½c@135½ctb., a gain of ½ctb. over the previous week. Inquiries have increased and the situation appears stronger. Tin market has been stronger during the week and prices advanced to 49¼ctb. for Straits, and 49ctb. for standard. Lead has been in light demand and prices are unchanged at 8c@8¼ctb., N. Y., and 7¾ctb., East St Louis. Zinc market has been irregular with slight fluctuations. Spot prices are slightly lower at \$6.40@\$6.45 tb. Antimony remains quiet with few sales at 9¾c@ 9½ctb.

Interests in control of salt deposits on Avery Island, Southern Louisiana, where deposits of pure rock salt are worked, have had analyses made which showed chloride of sodium 99.88%; chloride of calcium, trace; sulfate of calcium, .12%. Another sample yielded chloride of sodium, 98.88%; chloride of magnesium, .23%; chloride of calcium .13%; sulfate of lime, .76%.

Electrolytic Zinc Co. of Australasia, Ltd. will begin operations to produce sulfuric acid from zinc concentrates in the near future with an initial output of about 20,000 tons per year, increasing to 30,000 later. The new plant is at Port Pirie, South Australia.

Representative Crisp of Georgia has introduced a bill in the House to amend the tariff act of 1922, by placing ammonium sulfate on the free list. The bill has been referred to the House Committee on Ways and Means.

Perth Amboy Chemical Wks., Perth Amboy, N. J., has officially merged with the Roessler & Hasslacher Chemical Co., New York. The latter company has been selling agents for the Perth Amboy company, for some time.

An allowance of drawback on sulfate of alumina manufactured by the Merrimac Chemical Co., Boston, with the use of imported bauxite ore, has been made by the Customs Service, Treasury Department.

HOOKER URGES MUSCLE SHOALS OFFER

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 26.—A saving of \$30,000,000 a year to farmers by sale of cheap fertilizer and a return to the government of \$305,000,000 in fifty years are the main points in the offer made for Muscle Shoals by Elon H. Hooker and J. G. White of New York, and W. W. Atterbury of Philadelphia, vice president in charge of operations of the Pennsylvania railroad. The figures were mentioned at the hearing last week before the Senate Agricultural Committee. The offer is incorporated in Senate Bill No. 2747, introduced by Senator Wadsworth of New York.

Mr. Hooker is President of Hooker Electrochemical Co., Niagara Falls, and Mr. White is a leading builder of hydroelectric power and transmission lines, and constructed two of the Muscle Shoals units for the government. The essential points of their bid for the Muscle Shoals properties, as outlined by Mr. Hooker before the Senate committee are as follows: The Government shall furnish the capital for the various operations involved, and the Company shall put in \$1,000,000 as evidence of good faith. The company shall relieve the Government of construction, operation, research and

manufacture.

After various sinking funds shall have been cared for, covering the return of the main government investment, the government shall receive the bulk of the profits on fertilizer, which proportion after ten years shall amount to 75 per cent to the government and 25 per cent to the company. Absolute ownership in all properties shall reside in the Government, and the water power and all other rights shall revert to the government in fifty years, in compliance with the Federal Water Power Act.

CHEMICAL SUPPLIES WANTED

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids until April 29, for 600 gallons of insulating varnish for Mare Island Navy Yard, as per Schedule 2093; and 27,000 pounds of sheet lead for the Brooklyn, N. Y., yard, as specified in Schedule 2008

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, 10 South La Salle st., Chicago, has received an inquiry (No. 2863) from a company at Dairen, China, in the market for deodorizing equipment for a fertilizer plant. Full information upon application.

The Chief of Engineers, United States Army, Washington, D. C., will soon take bids for a quantity of oil, paint and varnish.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Thirty-fourth st., near Spruce, Philadelphia, has received an inquiry from a company at Genoa, Italy, (No. 42167), in the market for chemicals, caustic soda, water bone greases, benzine bone greases, and paraffin. Full information on request; also, from a company at Cawnpore, India, desirous of importing lead acetate, lead sulfite, lead oxide, zinc sulfate, zinc oxide, caustic soda, and kindred products (No. 42158).

The United States Shipping Board, Room 3808, Navy Building, Washington, D. C., will take bids until May 5, for topside paints, varnishes, shellacs and oils, for the period of six months, dating from June 1, as per proposal D. P. & S. 1405, on file at office.

The Bureau of Supplies & Accounts, Navy Department, Washington, D. C., will receive bids on April 29 for 11,120 pounds of barium nitrate, and for 800 pounds of potassium nitrate and 1,500 pounds of flake aluminum.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1260.

PYRIDINE HIGHER, SPOT AND SHIPMENT

Supplies Scarce on Spot and Difficult to Obtain for Shipment—Phenol Market Weak Owing to Quiet Demand—Benzol and Toluol Moving Well—Cresylic Acid Continues Easy—Naphthalene Resale Low—Dyes and Intermediates in Routine Demand.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Pyridine, 25c gal.

Declined
Phenol, 1c fb.

Trend of the Market War Peak Last Last Last Today Week Month Year \$.25 .06 .33 .26 \$.30 \$.25 \$.25 \$1,10 .06 .29 .26 03 .60 .30 16 1.50 Prienol, Spot D.
Toluene gal.
Aniline Oil b.
Alpha-naphthylamine b.
Benzaldehyde b.
Betanaphthol b.
Dimethylaniline b. .10% .16 .16 .16 .35 .75 .26 .37 28 .26 .26 38 Dimethylaniline Paranitroaniline 1.53 .18 0.344 0.345 0.348

General conditions in the market for coal tar products show little change from previous weeks. Buying continues on a hand-to-mouth basis and the volume of business is rather limited. Until there is a definite and concerted trend toward improvement in the textile and leather industries, little activity can be expected in the market for dyes and intermediates. Another consuming trade which has failed to come through with the usual volume of business is the fur dyeing trade. At this time last year the bulk of the business had been completed while factors state that this year buying has not begun and little hope is held for a late demand. Although consumption of dyes has been limited since the first of the year, the opinion prevails in some quarters that the next few months will see increased activity in dyestuffs. The outlook is rather dubious but with basic conditions generally good it seems possible that the market will improve before it gets worse, since it is felt that the bottom has been reached in so far as prices are concerned. Of the coal tar crudes, light oils such as benzene and toluene have been in steady demand and producers are not accumulating supplies. The phenol position has been growing steadily weaker with the lack of demand and a gradual accumulation of surplus material. Pyridine supplies are scarce and prices have been climbing steadily.

Coal Tar Crudes

Benzene—Reports have been heard that gasoline is stronger and that an advance is not unlikely when consumption begins to increase. If this develops an advance in benzene may be looked for. At present the market is steady with producers experiencing an active demand from consuming industries. Sales are being made at 24c and 25c per gallon for pure benzol in tanks, works, while drums are quoted 5c higher at 29c and 30c. Ninety per cent benzol is steady with tank car business quoted at 23c and drums, 28c gallon, works.

Cresylic Acid—Buying has been somewhat limited and supplies appear to be quite plentiful in the market. Demand for disinfectant purposes has been fairly active but in other lines demand has been moderate. Prices are quoted at a range according to seller, pale material being named from 65c@75c per gallon while dark is quoted from 60c@65cgal.

Naphthalene—Manufacturers have been busy with the usual Spring demand for flakes. Little resale activity has developed owing to larger supplies and low prices obtaining. Makers are quoting flakes, 6c@6½clb. and balls, 7c@7½clb. Resale material has been offered at 5½clb. Dyestuff demand is quiet with prices holding at 5½clb.

Naphtha, Solvent—Shipments are going out regularly under fairly steady demand. Prices are holding at 25c in tanks cars and 30c in drums, works.

Phenol—The complexion of this market has changed considerably during the past few weeks. Demand has fallen off and surplus lots have been accumulating with the result that offerings have been more abundant and prices weak. Another maker is also in the field with quotations at 26clb. for June delivery. In the open market quotations are heard at 27c@29clb., spot.

Pyridine—Scarcity of spot supplies and an insistent demand from some quarters has forced prices up to \$4.50 for spot material while shipments are even more difficult to obtain and are higher with nearby, April-July, \$4.75 and July-Dec., \$4.95.

Toluene—This material is in somewhat limited supply but is adequate for present demands. Tank cars are firm at 26c gallon, works, and drums 31c.

Xylenes—Occasional sales of better grades are taking place while commercial is moving well. Supplies are selling on the basis of 27c for commercial in tanks and 32c in drums; 10 degree, 35c@40c in drums; 5 degree, 35c@40c in tanks and 40c@50c in drums; 3 degree, 45c@50c in drums.

Intermediates

Acid, Anthranilic—Makers report routine buying with prices holding at 94clb. for the technical and \$1.00 lb. for refined.

Acid, Gamma—Quiet demand with makers quoting \$1.40@\$1.50lb.

Acid, H—Fair business reported but somewhat spotty. Contract deliveries holding up. Quoted from 72c@75c lb. as to quantity.

Acid, Neville & Winther's—Occasional sales with prices holding at \$1.05@\$1.101b.

Acid, Tobias—Quoted 90c@95clb. on quiet demand. Alpha-naphthylamine—Quiet and unchanged at 35c@ 37clb. in makers' hands.

Aniline Oil—Buying has been of no consequence with makers steady in their views at 16c@17clb. as to quantity. Aniline salt quiet, 22c@23clb.

Benzidine—Moderate buying with makers quoting 80clb.

Beta-naphthol—No special activity reported and prices are holding at former levels with carloads quoted 24c@ 25clb. while smaller quantities are steady at 26clb. in makers' hands.

Dimethylaniline—Sales are going through on the basis of 37c@38clb. for drums.

Meta-phenylenediamine—Makers quoting 90c@95clb. on routine demand.

Meta-toluylenediamine—Quiet with occasional sales at 82c@85clb.

Para-nitraniline—Fair demand at unchanged prices, 68c@72clb. according to seller.

Nitrobenzene—Makers unchanged with 9c@91/2clb. and redistilled, 91/2c@101/2clb.

Para-toluidine—Quiet and unchanged with makers quoting 80c@85clb.

DYES IN GOOD DEMAND IN ITALY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, April 9—The demand for war reparation dyes continues, and business in other dyes is very fair. The German aniline works receive the bulk of the orders. Quotations are as follows per 100 kilos: Naphthol yellow, 4,000 to 6,500 lire; auramine, 6,000 to 7,000 lire; orange II, 2,000 to 2,200 lire; nigrosine, water soluble, 2,800 to 3,500 lire; nigrosine, soluble in alcohol, 3,000 to 3,800 lire; sulfur black, 700 to 1,100 lire; acid black, 2,200 to 2,500 lire; direct black, 2,200 to 2,600 lire; chrome black, 2,500 to 3,000 lire; methylene blue, 7,500 to 9,000 lire; direct blue, 1,900 to 2,300; sulfur blue, 2,000 to 2,400 lire; malachite green, 7,500 to 9,000 lire.

British Alizarine Co., (Ltd.), imported nearly 1,500,000 pounds of alizarin dyes during the month of January, an amount in excess of the country's total imports of alizarin dyes during the previous year. The entire quantity was purchased from the French, and was the lot seized by them from the German plants in May, 1923. Fearing that the sudden release of this large quantity of alizarin dyes would break the world's market, the British company negotiated with the French, and finally succeeded in purchasing the entire lot, writes Trade Commissioner F. E. Breithut.

United States Color and Chemical Co., Inc., has issued its annual statement for the year ended Dec. 31, 1923, as follows: Assets—Furniture, fixtures and tools, \$11,953; merchandise, \$92,844; notes, \$140,394; accounts receivable, \$61.618; cash, \$12,888; securities, \$305,116; advances, \$40,148; good will, \$100,000; total, \$764,961. Liabilities—Capital stock, \$500,000; account expenses, \$2,000; accounts payable, \$56,589; notes payable, \$135,468; surplus, \$32,658; acceptances, \$38,246; total, \$764,961.

Swansea Dye Works, Swansea, Mass., report increased income for 1923. Surplus profit and loss as of Dec 31, 1923, stands at \$93,838 compared with \$72,852 at the end of the previous year. Depreciation reserve of \$84,037 shown on the previous year's balance sheet does not appear in the statement for the year just reported.

Of 550 licenses to import dyestuffs into England, applied for during March, 420 were granted by the Dyestuffs Advisory Licensing Committee, 83 were referred to British makers of similar products, 26 were referred to reparation supplies available, and 22 were held over.

Monsanto Chemical Works has issued an announcement on cresylic acid manufactured by their British associate company, Graesser-Monsanto Chemical Works, Ltd., of Ruabon, North Wales. The phenol co-efficient is stated to be 8.33.

An amendment to the Department of Agriculture appropriation introduced by Senator Overman of South Carolina calls for \$30,000 to protect and investigate the supply of chestnut bark and lumber, and other potential tanning materials.

George V. Sheffield, vice-president, Innis, Speiden & Co., New York, who was confined to his home last week by an injured foot, is again at his office.

GERMANS WINNING DYE TRADE IN EAST

Of the dyes imported into the Straits Settlements, three kinds, Indigo, Aniline Colors and Sulfur Dyes predominate. Both natural and synthetic indigo are imported. Synthetic indigo competes keenly with natural indigo and the manufacturers follow the prices of natural indigo so closely that they are able to place the synthetic dyes in the market at all times at lower prices than the natural. The principal brands of synthetic indigo are Badische and Meister Lucius Bruning. The dyes made by these firms are imported direct from Germany and are used to a great extent for dyeing cloth for native clothing. Synthetic indigo dyes are shipped in one picul (133½ pounds), kegs of 20 per cent paste. The average market price is \$104, Straits currency, per keg. Natural indigo is imported from Java, Hongkong, and French Indo-China.

The principal brands of aniline colors are Badische, Dancing Girl, and Agía; most of them are imported direct from Germany. They are shipped in powder form in tins of from one to four ounces. The most popular colors are Cathamino, Violet, Green, Rubino, Scarlet, Blue, Orange, and Yellow. Carthamino is shipped in one-ounce tins and retails at approximately \$2, Straits currency, per tin. The other colors are shipped in four ounce tins and retailed at the following prices:

Straits Currency, per tin	Straits Currency, per tin
Violet\$1.60	Blue\$1.70
Green 2.00	Orange 1.25
Rubino 2.30	Yellow 2.00
Scarlet	

The only sulfur dyes of importance are the black dyes. The principal brands are Badische and Cassella, both being shipped in 56-pound kegs. The price, depending on the strength, ranges as follows: Badische \$56, \$99, \$95, \$98, and \$118, per keg. Straits currency; Cassella \$125 per keg.

RED OXIDE SUPPLIES PLENTIFUL

The outlook for red oxide of iron for 1924 appears promising insofar as the American market is concerned. says Vice Consul H. L. Smith, Malaga, Spain, but the demand from Great Britain and the continent is not so hopeful. The tone of the market in December was weaker than November, dollar prices having fallen about 10 per cent, partially due to the fall in value of the Spanish peseta and to increased competition. Stocks on hand are said to be plentiful. The American demand was the most important during the month, while English requirements fell below the previous few months, although this was slightly offset by business from Australia and New Zealand where English paint makers are building plants as a result of tariffs in these countries. A number of small firms and brokers are beginning to export red oxide of iron. It is rumored that the quality of the product exported by these individuals is not up to standard.

Exports to the United States for December, 1923, amounted to 651 short tons, valued at \$22,997, compared with 278 tons in November, 1923, and 557 tons in December, 1922.

John Campbell & Co., New York, have issued an attractive color card, "Level Dyeing Acid Colors on Dress Goods," containing twenty-four colors ranging from yellow to black.

Henry W. Guernsey, a director of the National Ammonia Co., died Apr. 14 in New York. He was born in Philadelphia in 1852.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1279

CHINAWOOD OIL CONTINUES UNSETTLED

Prices Decline Slightly-Corn Oil in Light Demand-Coconut Oil Quiet-Linseed Oil Inactive-Cottonseed Oil Irregular-Lard Oil and Oleo Stearine Advance -Turpentine Declines

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Lard Oil, Edible prime, 1/20 tb. Stearine, Oleo, 10 tb.

Chinawood Oil, Spot, 1/2 th.

Coast, 1/4 th.

Forward shipment, 1/4 th.

Coast, 1/4 th.

Coast, 1/4 th.

Coast, 1/4 th.

Stearine, Oleo, 1c th.

Linseed Oil, 1c/1, bbls., 1c gal.

Turpentine, ex-yard, N.Y., 7c gal.

Tre	end of			Y	117	D
	Today		Last Month	Last Year	War Peak	Pre- War
Cod Oil, N. Fgal.	\$.64	\$.64	\$.67	\$.70	\$1.26	\$.361/
Degras, American, bbltb.	.0436	.043	.0414	.043/4	.23	031/
Lard, No. 1gal.	.81	.81	.87	.99	2.90	.92
Menhaden, erd., bblsgal.	.50	.50	.50	.55	1.20	.33
Neatsfoot, 20 deg. c.tgal.		1.38	1.24	1.39	3.45	.95
Red Oil, distilled gal.		.093	.091/8	.111/2	-17	.07
Stearic Acid, T.P	.131/4	.1354	.1354	.16	.33	.12
Coconut, Ceylon, bbls 1b.				.10	.90	.14
Cottonseed, crude, tks 1b.			.081/4	.1054	.25	.08
Linseed, carlotsgal.		.90	.92	1.13	1.88	.57
Olive, denaturedgal.			1.25	1.15	4.50	1.05
Peanut, refined a				.161/2	.30	.08
Soya Bean, bbls lb.		.12	.12	.1354	.191/2	.07
Average	0.470	0.470	€.475	0.512	1.30	0.362

The market for fatty oils appears to indicate a firmer undertone than has existed for several weeks past. The majority of interests in the market are of the opinion that, although buying still continues along conservative lines, a much improved interest is being shown among consumers which is evidenced by a steady increase in inquiries. Sellers agree that, while no large buying is anticipated, business will be as good over the next few months as can be expected in view of reduced industrial activity. No developments of importance occurred during the past week. The general list of prices were well maintained. Chinawood oil again appears the exception and the optimistic attitude of sellers is contradicted by a further decline in price. Cottonseed oil has been unsettled following the report of the Census Bureau on Monday. Qlive and palm oils have been quiet, but demand has been sufficient to maintain former prices. Animal oils are in fairly good demand but the export trade is quiet.

Vegetable Oils

Castor Oil-Although demand is not heavy, supplies have been scarce and prices remain firm at advance noted last week. No. 1 oil is quoted 16c@161/2cfb., and No 2, 151/2c@16ctb.

Chinawood Oil-Prices have eased again and quotations are now averaging 1/4c lower. Market has continued quiet and sales, for the most part, are confined to small lots. There has been a consistent increase of inquiries and many sellers entertain a more optimistic outlook for increased buying. Spot price in barrels is quoted 144c@15ctb.; forward shipments, 144c@15ctb.; tanks, at coast, 131/4c@131/2ctb.

Coconut Oil-There have been no developments of importance in the market during the week and, with business moving fairly well, prices are steady. Ceylon is quoted 91/2c@93/4cfb.; Manila, 8c@81/8cfb.; Cochin, 101/2c@103/4ctb.

Corn Oil-A fair demand has been reported for crude oil and market has steadier tone. Offerings have been

comparatively light. Quotations of 9c@91/4cfb. prevail at the mills. Refined oil is unchanged at 121/4c@121/2ctb.

Cottonseed Oil-Notwithstanding the fact that the holiday had a rather weakening effect on the unsettled market, sales were heavier than during the week previous. P.S.Y. prices are on a slightly lower level, opening the week at 10.00@10.50 for April to 10.63@10.68 for Sept. Oct., 10.05@10.30; Nov., 9.10@9.50. Crude oil is higher at the mills, 83/4c@9ctb. Much of the business is still accounted for by liquidations and switches. The Census Bureau's monthly report on consumption and production was disappointing and had a decidedly bearish effect on the market. Refined oil is unchanged with winter yellow quoted 121/2cfb.

Linseed Oil-Business has been decidedly quiet in most quarters, and the advance of 1c per gal. during the week failed to maintain itself. Crushers have revised prices to last week's levels of 90cgal. carlots, and 93cgal. less than carlots. The general situation is one of uncertainty and irregularity. London linseed oil is slightly lower at 37s 6d per quintal. Antwerp prices are lower, 282f per hundred kilos. Flaxseed prices are as follows: Winnipeg, May, \$2.1034; July, \$2.09. Duluth, May, \$2.39; July, \$2.341/2. Buenos Aires, quiet, \$1.60.

Olive Oil-A fair demand is reported, with corresponding amount of inquiries. Prices are well maintained at \$1.25gal. for denatured. Olive foots are quiet this week but, with stocks small, prices are firm at 9%ctb.

Palm Oil-Market is quiet with demand of a routine nature. No large sales of importance have been reported and prices remain steady, with offerings comparatively light. Niger is quoted 63/4c@7cfb. and Lagos,

Perilla Oil-There have been no new developments recently. Few sales are reported in a routine way. Prices are firm at 143/4c@15ctb.

Rapeseed Oil-Demand has been quiet during the week with few sales of importance. Prices are fairly well maintained at 90c@92cgal. N. Y.

Sesame Oil-A somewhat better inquiry has been received but actual demand remains routine. Spot oil is quoted 111/2cfb.

Soya Bean Oil-Market remains firm with continued scarcity of supplies. Demand is light. Crude is quoted 101/4cfb. in tanks at the coast.

Animal Oils

Lard Oil-Business has been quiet during the week but, with better export demand, edible prime has advanced to 14cfb. No. 1 remains at 103/4cfb.

Neatsfoot Oil-Is in good demand, with scarcity of local stocks. Recent advances in price are well maintained at 181/2 clb., 20 deg. c.t.

Oleo Oil-Export trade continues quiet but locally, market appears firm. No. 1 is quoted 11%c@12ctb., No. 2, 101/2c@103/4ctb.

Red Oil-A steady demand is noted from consuming industries. Prices are well maintained and the market is in fairly strong situation. Distilled oil is quoted 91/2c@10ctb.

Stearic Acid-Trading has been fairly active during the week and prices remain firm. Single pressed is quoted 11c@111/ctb., double pressed, 111/2c@12ctb. Triple pressed is quoted 13c@131/2etb.

DRUG & CHEMICAL MARKETS

Tallow Oil—Market has been quiet with routine demand sufficient to hold prices at recent levels. Acidless is quoted 9½ctb. in tanks, and 10ctb. in barrels.

Fish Oils

Cod Oil—No feature of importance has been noted during the week and the market continues quiet with purchasing restricted to conservative policies. Demand from consuming interests is irregular and inquiries are correspondingly light. Newfoundland oil is quoted 63c @65cgal., and 60c@65cgal., spot, N. Y.

Menhaden Oil—There will be no change in the situation for crude oil until the seasonal catch begins the latter part of May. Prices are nominal at 50c. Refined oil is quiet and without feature. Prices average 61c @63cgal., light pressed, and 63c@65cgal. for yellow bleached.

Sperm Oil—Market has been steady with moderate amount of offerings. A better demand is prevalent and prices are firm at recent quotations of 89cgal. for 38 deg. c.t., N. Y. and 84cgal. for 45 deg. c.t., spot.

Naval Stores

Turpentine—After a week of inactivity, transactions were resumed in Savannah at a break of more than eight points. Sales were reported on a basis of 86c@ 86½cgal. Local prices were weakened accordingly and quotations of 93½c ex-yard, N. Y., are in effect.

Rosins—Local market was quiet during the week and few sales of any importance were reported. An absence of offerings however, kept prices at former levels. It is believed that a reduction in prices will not be unlikely within the next few days. Current quotations are as follows: B to I, \$5.80; K, \$5.85; M, \$5.95; N, \$6.25; WG, \$7.10; WW, \$7.50.

TURPENTINE DECLINES AT SAVANNAH

(Special Correspondence to DRUG & CHEMICAL MARKETS) Savannah, Ga. April 19.-Turpentine closed the week firm, 86-861/2c, following a decline of about 8c. No official sales were reported on several days, but some on private terms were heard at 881/2 and 871/2c. The arrival of new crop in larger quantities has probably put an end to the higher market which prevailed while receipts were small and business will now no doubt be regulated by supply and demand. Business during the coming week may be sufficient to maintain prices around 86c following the quiet week. Receipts during week, 1,496 bbls; sales reported, 586 bbls; additional sales probably over 1,000 bbls; shipments, 1,084 bbls; stock, 5,217 bbls. Rosin has been firm and active with values rising during the first half of the week and declining the last half. Present demand indicates that prices may be steadier next week. Receipts are expected to increase now from week to week. Receipts for week, 5,015 bbls; sales reported, 3,308 bbls; shipments, 3,717

bbls; Savannah stock, 54,177 bbls.

Jacksonville, Fla., April 19.—Turpentine closed steady, 87-87½c. A bid for 200 bbls. at 86c at the close was refused but is expected to be accepted later. Sales, 279 bbls; stock, 13,990 bbls. Rosin closed firm with better demand but prices averaged lower than at the beginning of the week. Sales, 2,124 bbls; stock, 106,903

The Customs Service has allowed drawback on linseed oil, oil cake and oil meal manufactured by Fidelity Products Co., Houston, Texas, with the use of imported flaxseed.

Synthetic shellac, made by the condensation and polymerisation of acetylene and acetaldehyde, is being extensively used in Germany, according to reports.

COTTONSEED CRUSHING DECLINES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 23.—A decline of more than 43,000 tons in the amount of cottonseed crushed during the eight months ended with March compared with the corresponding period last year, is reported by the Census Bureau. Cottonseed stocks and mill receipts, however, showed increase compared with a year ago.

From Aug. 1 to March 31, the bureau reported, a total of 2,975,591 tons of cottonseed crushed in the country, compared with 3,019,262 during the same months of 1923. Cottonseed received at mills from August to the end of March amounted to 3,204,373 tons, against 3,164,828 tons a year ago, and cottonseed on hand at mills on March 31 totaled 234,121 tons, compared with 154,103 on the same date a year ago.

Cottonseed products produced in the period and on

hand March 31 were:

Crude oil, 876,594,668 pounds, compared with 922,-224,522, and on hand 110,115,460 pounds, compared with 60.137,116.

Refined oil produced 671,530,063 pounds, compared with 799,615,120, and on hand 215,062,233, compared with 239,925,412.

Cake and meal produced, 1,364,610 tons, compared with 1,379,596, and on hand 172,967, compared with 168,527.

EXPAND USE BUTYL ALCOHOL LACOUERS

The use of nitrocellulose lacquers and enamels, using butyl alcohol as a solvent, is showing rapid expansion in fields where varnishes are now applied. Due to the rapidity in drying and setting, which is characteristic of butyl lacquers, claims for the latter state that they take as many hours as varnishes require days for complete setting. Finishing automobile bodies and furniture with lacquers has cut down drying storage space in plants materially, while hotel rooms need be unoccupied only a very short time for refinishing with butyl alcohol enamels. The same is said to apply to office and home woodwork, walls, and the like.

The capacity of butyl alcohol production in the United States to-day is about two million pounds per month from two plants. This is more than present requirements although increased use is gradually taking up the excess. New plant capacity of the present producer, however, is said to be sufficient to keep ahead of consumption for some years to come, and that the company can expand their output on short notice. Bacteriological difficulties, which a year ago depleted butyl alcohol stocks and caused a shut-down of the only plant, are reported remedied, and the plant is now on a hundred per cent production basis.

Earnings in the paint and varnish industry during the last half of 1923 maintained a very even level, according to the National Industrial Conference Board, 10 E. 39th st., New York. In January, 1924, the average hourly earnings of all wage workers in the industry were 54.1 cents, which marked an advance of 9.3 per cent over January, 1923.

Northwest Linseed Oil Co., Portland, Ore., has begun work on its new plant, and will install equipment at an early date. It will be devoted exclusively to the production of linseed oils and is estimated to cost in excess of \$75,000.

A. C. Drury & Co. 420 Rush st., Chicago, will represent in Chicago, A. Gross & Co. 90 West st. New York, manufacturers of stearic acid and red oil.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1260

GLYCERIN DECLINES IN QUIET MARKET

Quicksilver Higher—London Expects 25 Pound Sterling per flask—Hydroquinone Quoted Higher—Antipyrine Firmer—Menthol Lower in Dull Market—Resale— Chloroform Lower—Caffeine Alkaloid Easier

PRICE CHANGES IN NEW YORK (Stecks in First Hands)

Advanced
Antipyrine, Sc fb.
Hydroquinone, 10c fb.
Mercury, \$6.00 flask

Aloin, U.S.P., 2c 'fb. Caffeine, Alk., 10c fb. Resale, 5c fb. Declined
Chloreform, drums, le lb.
Glycerin, C.P., 14c lb.
Dynamite, 14c lb.
Menthol, 75c lb.

Tre	end of t			¥	337	D
	Today		Last Month	Last Year	War Peak	Pre- War
Acetanilid	\$.32	\$.32	\$.32	\$.35	\$2.00	\$.20
Acid Citric, Import	473/2	.471/		.52	1.25	.45
Caffeine Alkaloid	3.65	4.00	4.00	3.75	18.00	3.65
Calomel, American	1.17	1.17	1.10	1.25	3.43	.90
Camphor, Jap., ref	.75	.77	-77	.88	3.55	.41
Iodine, Resultimed	4 40	4.40	4.40	4.55	5.00	3.75
Menthol	14.25	15.00	12.15	7.80	13.50	3.00
Potassium Bromide, Cryst	.30	.30	.30	.26	4.30	.80
Quinine Sulfate, Imp	.50	.50	.50	.50	.90	.25
Sodium Salicylate	40	.40	.40	-52	4.25	.27
Strychnine Sulfate	63	.63	.63	.84	2.05	.50
Average	2.46	2.56	2.29	1.94	5.92	1.56

Activity was noted in mercury and potassium permanganate during the past week with the balance of the list of fine medicinal chemicals in little demand. Changes have been few with tendency for the declines to offset the advances. Stocks in manufacturers' hands, as well as those in resale quarters, are not considered heavy, and while position is not exactly firm, sellers are not generally inclined to shade prices except to take an order or two from a competitor. The peak of the present upward swing in menthol appears to have been reached, and the reaction has set in, which will probably carry this item back to the level where it was before the recent advance. Consuming demand for menthol on spot is small, and little interest is manifested in future delivery. Imported tartaric acid and cream tartar are easy on spot in spite of firm shipment prices.

Acetanilid—Stocks remain sufficient for present needs at 30c@32ctb. spot from first hands, and 30c@31ctb. resale quarters.

Acetone—C.P. quoted lower at 15½c@16½clb. works as to quantity.

Acid Acetylsalicylic—Demand quiet at the moment at 75c@85clb. spot by makers, and 70c@71clb. from second hands.

Acid, Citric—Imported is steady at 47½c@48½clb. spot as to quantity with shipment inside at 30clb. c.i.f. New York. During past week 100 kegs were imported at New York. Little sharper competition for goods from abroad is reported between American importers and foreign consumers. With more stable conditions abroad, higher shipment prices are expected to follow. Domestic, 48c@49clb.

Acid, Phosphoric—Business reported quiet at 12½c 1b. for imported U.S.P. syrupy, and 12c@13clb. for domestic.

Acid, Salicylic-First hands still quote 35clb. spot,

while resale quarters name 33c@34clb. Market quiet with demand more or less routine.

Acid, Tartaric—Imported slightly easier at 27½c@ 28½clb. spot as to quantity. Shipment still named at 22clb. c.i.f. New York. Stocks on spot are none too plentiful, since the recent arrivals have already passed into consumption. At the same time, however, supplies are sufficient to care for the present demand. Last week saw 500 kegs entered at New York. Domestic, 30clb.

Alcohol—Makers report very little new business coming in, but contract material is moving in good volume. No. 1 specially denatured quoted at 48c@50cgal. spot in drums, and No. 5 completely denatured 47c@49c gal.

Aloin—Has declined and now quoted at 86c@90clb spot as to quantity.

Amidopyrine—Market quiet with demand restricted to small quantities only. Holders of imported material name \$4.35@\$4.50lb. spot as to quantity and seller. Domestic quoted firm at \$4.60lb.

Antimony Needles—Powdered quoted steady at 73/4c @81/2clb. spot as to quantity.

Antipyrine—Has advanced and now quoted at \$2.15 @\$2.25lb. spot as to quantity. Last week some \$2.10lb. stuff was available, but has since been disposed of, and now best price is \$2.15lb.

Bay Rum—Market is quite active at \$1.35@\$1.55gal. for either St. Thomas or Port Rican material. Domestic named at 90c@\$1.00gal.

Bismuth Subnitrate—In small demand with resale quarters naming \$2.80lb. spot, and first hands \$2.90lb.

Caffeine Alkaloid—First hands have reduced price and now quote \$3.65@\$3.75lb. spot as to quantity, and resales are also lower at \$3.60@\$3.70lb. owing to slow demand and slight accumulation of stocks in makers' hands.

Camphor—Japanese slabs easy at 75c@77clb. spot. Last week saw 250 cases of synthetic entered at New York. The natural product appears to be getting some real competition from the synthetic sources. Domestic refined, 88clb. spot in barrels.

Castor Oil—U.S.P. firm with possibilities of higher prices at 16c@17clb. spot as to quantity.

Chloroform—Resale goods are quoted lower at 32c@ 33clb. spot, while first hands still quote 35clb. for U.S.P. goods.

Cod Liver Oil—Spot is unchanged at \$24.50@\$25.50 bbl. as to quantity with shipment named at \$21.50@\$22.00bbl. c.i.f. New York as to quantity. Reports are heard that the catch is improving, but in spite of this information, some factors think that higher prices are about due. Imports last week at New York were 807 barrels.

Cream Tartar—Imported easy at 21c@21½clb. spot, and domestic at 21¾c@22clb. for domestic. Demand small and on firm orders present prices could undoubtedly be shaded. During past week 130 kegs were entered at New York.

Formaldehyde—First hands are unchanged at recent decline at 1034clb. works in c/1, and 1134c@12½clb. in 1c/1. Export demand is increasing, according to one factor.

Glycerin—C.P. quoted lower at 163/4c@19clb. spot as to quantity, and dynamite at 163/4c@162/clb. owing to slow demand from consuming quarters.

Haarlem Oil—Imported lower at \$4.65@\$5.00 gross spot, and domestic at \$3.50 gross.

Hydroquinone— Was advanced by two makers and now quoted at \$1.40@\$1.60lb, spot as to quantity and seller.

Menthol—Imported has declined and now quoted at \$14.25@14.75lb. spot owing to a slackening of demand from abroad. All during the recent advance, reports are heard that little went into actual domestic consumption. Last week saw 50 cases entered at New York. Arrivals in this country have been heavy during the past two weeks. One case of synthetic was imported at New York from London. American, \$13.00@\$13.25lb.

Mercury—Has advanced again on spot and now quoted at \$81.00@\$83.00flask as to seller and quantity with possibilities of much higher figures. Last week saw 388 bottles entered at New York. Italy is quoting 1,395 lire per flask ex-mine in small way only. Small lots are still available, however, at \$79.00flask.

Mercurials—London has advanced the schedule again and now names 4s.7d. to 4s.9d. per pound for calomel, and 3s.3d. to 3s.4d. for powdered corrosive sublimate. Domestic unchanged at \$1.71lb. for calomel, and 93clb. for powdered corrosive sublimate.

Potassium Permanganate—Imported in good demand at 141/4c@17clb. spot as to seller and quantity. Cheap outside lots are on the decrease, according to reports.

Santonin-Market remains firm at \$145@\$150lb. spot as to quantity.

Sodium Benzoate—Makers report an active demand at 65c@68clb. as to quantity.

United States Civil Service Commission has announced examinations for junior chemical engineers to be held throughout the country on May 7. The position requires graduates of recognized colleges with degrees in engineering, preferably chemical, and pays an entrance salary of \$1,860 a year. Further information may be obtained from the Civil Service Commission, Washington, D. C.

Catch of cod in Norway during the week of March 24 was better than in any previous week this season, according to reports received by P. R. Dreyer, New York, agent for Aarsoether Brodr, A/S., Aalesund, Norway, which say that 6,457 hectoliters of livers were produced up to March 29, compared with 7,088 hectoliters for the corresponding period in 1923.

Codliver catch up to April 2 was 22,100,000 cod and 41,525 barrels of crude oil, compared with 26,400,000 cod and 46,350 barrels of crude oil for a like period in 1923, according to Chas. L. Huisking, New York, agents for Isdahl & Co., Bergen, Norway.

Exports of medicinal codliver oil up to March 15, 1924, were 11,342 barrels, compared with 14,323 barrels for a like period in 1923, according to H. J. Baker & Bro., New York, agents for Albert Hovde, Aalesund, Norway.

The steamship President Madison, which arrived at Seattle, recently carried 15 cases menthol for G. S. Bush & Co.; 25 cases for Sinclair & Guest; 25 cases for Equitable Trust Co.; and 10 cases for A. G. Cailler.

The forty-second annual meeting of the Proprietary Association will be held at the Hotel Pennsylvania, New York, on May 13 and 14.

GIBBS MEDAL AWARDED TO DR. LEWIS

The Chicago Section of the American Chemical Society at an informal dinner at the City Club, 315 Plymouth Court, Chicago, Ill., on Thursday, April 17, awarded the Willard Gibbs



DR. G. N. LEWIS

Medal for 1924 to Dr. Gilbert Newton Lewis, Dean of the School of Chemistry, University of California. The opening re-marks at the meeting of the Section which followed were made by Dr. G. A. Menge. The presentation was made by Dr. H. N. McCoy, who lauded Dr. Lewis for his fundamental work in Physical Chemistry, and briefly sketched the career of Dr. Lewis. Dr. Lewis accepted the honor in chemistry and as an instructor-in

a short speech, and then read an address on "The Molecule as a Magnet." An informal reception followed the meeting and members extended their personal congratulations to Dr. Lewis.

A.Ph.A. CAMPAIGN IS ON IN EARNEST

The campaign for a new headquarters building, now being conducted by the American Pharmaceutical Association, was officially opened April 15, with the active participation of more than 5,000 pharmacists, organized throughout the country to procure subscriptions of one million dollars. Committeemen have been appointed in every state, city and county in the country, and every branch of the drug business is taking part in the plan—manufacturers, wholesalers and retailers, colleges of pharmacy, pharmaceutical associations and drug store clerks. It is anticipated that each state will more than raise its respective quota.

More than \$100,000 has been pledged in advance subscriptions, according to Dr. H. A. B. Dunning, chairman of the campaign committee. This amount has been pledged almost entirely by manufacturers and wholesalers. Returns from retail druggists have not yet been announced. Among recent subscriptions are the following: Miles Medical Co., Parke Davis & Co., Pittsburgh College of Pharmacy, Eli Lilly & Co., and Wm. R. Warner & Co.

"The Estimation of Iodine by Sodium Thiosulfate," by F. O. Rice, Martin Kilpatrick, Jr., and William Lemkin; and "The Measurement of Reaction Velocity and The Temperature Coefficient of Reaction Velocity," by F. O. Rice and Martin Kilpatrick, Jr., are contained in a booklet reprinted from "The Journal of the American Chemical Society."

The steamship Yokohama Maru, which arrived at Seattle, recently, carried 100 cases menthol for S. W. Bridges & Co.; 25 cases for Blythe, Green, Jordan & Co.; 250 cases camphor for the Celluloid Co.; 300 cases for Fiberloid Co.; and 200 cases for Viscoloid Co.

Washington Chemical Co., of England, has appointed E. A. Schofield & Co., Toronto, and Montreal as the sole Canadian agents for Pattinson's magnesia. Stocks will be carried in both Toronto and Montreal.

Exports of quinine sulfate from Java during 1923 were 250,805 kilos, compared with 124,591 kilos, in 1922.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1281

DANDELION AND RHUBARB ROOTS EASIER

In Spite of Firm Shipments Figures-Celery Seed Lower -Caraway Seed Easier-African Ginger In Good Supply-Tragacanth Gum Softens-Cloves Decline Again-Cartagena Ipecac Root Lower-Japan Wax

PRICE CHANGES IN NEW YORK (Stocks in First Hands) Advanced Japan Wax, 1c fb.

Declined Ammoniae Gum, &c tb.
Buchu Leaves, 2e fb.
Caraway Seed, Dutch, 1e tb.
Cleiry Seed, 1e tb.
Cloves, Zanzibar, ½e tb.
Cumin Seed, Indian, 2e tb.
Cuttlefish Bone, Trieste, ½e tb.
Dandelion Root, 1e fb.
Digitalis Leaves, ½e tb.
Tragacanth

Declined
Dragons Blod, Reeds, 5e tb.
Ergot, 2e fb.
Gamboge Gum, 5e fb.
Ginger, African, 1½e fb.
Henbane Leaves, 1e fb.
Ouince Seed, 5e fb.
Rhubarb Root, 2e fb.
Spermaceti, Blocks, 1e fb.
Gum, 5c fb.

Trend of the Market
Last Last
Today Week Month War Peak Last Year \$.44 .78 .90 \$.45 .75 .90 \$.35 .87 1.75 .031/2 \$.12 .85 2.10 \$.90 .0314 .031/2 .031/2 .85 4.50 1.00 4.50 .03 .54 .28 1.35 .07 .52 .70 1.95 33 .63 .63 .95 .06½ 6.75 .37 30.00 9.00 9.00 5.00 1.25 1.26 1.35 Average 1.34 1.35

A liquidation of spot stocks is taking place in crude drugs quarters, if the number of declines can be taken as a criterion of unloading. Holders of crude drugs appear to be willing to make a small sacrifice of their holdings, and to take a chance on new crop goods, rather than to keep their stocks and run the risk of much lower prices in a month or so. Foreign prices for shipments remain high with the result that importers are taking on little goods for future delivery, waiting until they in turn can see actual orders pile up. Reports from the country state that most drugs are in fair supply with very few existing scarcities. Rhubarb root is in good supply on spot with tendency for weak holders to attempt to outbid each other for the passing business. African ginger is easier owing to recent arrivals on spot. Celery seed continues its flight downward in spite of the high import cost. Japan wax is higher and some factors predict a much firmer market.

Aconite Leaves-Market reported quiet with sellers naming 12c@14clb. spot.

Agar Agar-While spot is unchanged at \$1.45@\$1.50 1b. for No.1 and \$1.421b. for No. 2 shipment remains firm and tending higher, according to late cables, from Japan. During past week 94 bales were imported.

Aletris Root-Little demand is reported at 50c@53clb. spot.

Aloes-Curacao is in good supply with the arrival last week of 1,283 cases at New York. Market is quoted at present at 91/2c@10clb. spot and whether the recent large arrival will affect spot prices, remains to be seen. Cape steady at 81/2c@9clb.

Ammoniac Gum-Has declined and now quoted at 70c @75clb. spot owing to increase in offerings for shipment,

Anise Seed-Spanish is quoted easy at 141/2c@151/2clb. spot with some holders naming as high as 17clb. Star, 131/2c@14clb.

Arabic Gum-Amber sorts steady at 13c@14clb. spot. During 1923 United States imported nearly 4,000 tons, valued at \$550,000. Imports of late do not appear to be up to other years, and some factors think that before the end of the year, a slight scarcity will exist.

Arnica Flowers-Quiet and in routine demand only at 11c@12ctb. spot.

Balsams—Copaiba, South American, quoted firm at 2/2c@35clb. spot. Canadian fir in good supply at 32½c@35cfb. spot. \$12.50@\$12.80gal. Little business is being transacted in either Tolu or Peru at \$1.50@\$1.60lb. and \$1.85lb@\$1.95 lb., respectively.

Bayberry Wax-Easy at 20c@22ctb. spot.

Belladonna Leaves-Market easy at 27c@29c lb. spot owing to arrivals of 194 bales last week at New York.

Buchu Leaves-The market has moved back to the price before the recent rise owing to weak holders on spot and the importation of 42 bales, which are not thought to be sold. Quoted at 76c@85ctb. in bales as

Cantharides-Russian easy at 90c@95cfb. spot for whole, and \$1.05@\$1.10tb. for powdered.

Caraway Seed-Dutch has declined and now quoted at 24c@25clb. spot owing to increased offerings from Holland and small demand on spot. African named at 22c@23ctb. Offers of Spanish goods have been received in this market, and whether or not this material is African goods, coming through Spain, has not as yet. been confirmed.

Cascara Sagrada-Market remains firm at 34c@37ctb. spot as to seller and age of bark. Export demand to England on increase, and recent cables state that market there has moved up on active buying.

Celery Seed-Has declined again and now quoted at 30c@31cfb. spot owing to small demand from consuming quarters. Shipment remains high. The export duty of 25 per cent is still in effect, according to reports.

Cloves-Market has declined further and now 28c@ 29ctb. spot can be done as to quantity. Imports last week at New York were 2,694 bales.

Cohosh Root-Black in good supply at 10c@11clb. spot, and blue at 13c@14cfb.

Cubeb Berries-Steady at 65c@70ctb. spot with some holders naming 70clb. as inside for whole XX goods. Powdered, 70c@73cfb.

Culvers Root-In small demand at the moment at 27c@29cfb. spot.

Dandelion Root-Has declined and now quoted at 34c@36cfb. spot owing to keener competition for available spot business.

Digital's Leaves-Lower at 7c@8ctb. spot.

Dragons Blood-Reeds have declined and now named at \$1.00@\$1.05tb spot.

Ergot-Quoted lower at 31c@33cfb. spot due to small demand and increase in spot stocks. Last week saw 18 cases entered at New York.

Gamboge Gum-Lower at 80c@85ctb. spot owing to easier shipment prices.

Ginger-African quoted lower at 161/2c@18ctb. spot owing to better supplies from abroad. Jamaica, 34c@ 38cfb. as to quality.

Henbane Leaves-Quoted lower at 31c@34ctb. spot.

Insect Powder-Market steady at 63c@65ctb. spot as to seller and quantity with May shipment of flowers named at 481/2c@50ctb. c.i.f., New York. During past week 75 bales were imported at New York.

Ipecac Root-Cartagena is quoted lower at \$1.80@ \$1.90tb. spot for whole, and \$2.10@\$2.20tb. for powdered.

Japan Wax-Market has advanced on scarcity and now named at 26c@28ctb. spot. Reports are heard that no offers are being received from the Orient. However, some material will be available for this market in the near future from England.

Lycopodium-Easy with possibilities of shading 35c @36ctb. spot on firm orders.

Mandrake Root-Quoted easy at 19c@20cfb. spot, although some holders still name 21ctb. inside. Reports are heard that much lower figures can be expected from the country.

Quince Seed-Lower at 90c@\$1.00tb. spot as to seller and quality.

Rhubarb Root-Market is off again at 30c@32ctb. spot. The recent firmness does not appear to have been well sustained. Weak holders are said to be depressing

Saffron Flowers-Quoted firm at \$40@\$42tb. for Spanish, and 80c@82ctb. for American.

Sarsaparilla Root-Mexican easy at 20c@22ctb. spot, and Honduras at 58c@62ctb.

Senega Root-Steady at 64c@66cth, spot with export demand to England reported active.

Spermaceti-Blocks lower at 38cfb.

Tragacanth Gum-No. 1 quoted lower at \$1.20@\$1.25 th. spot owing to increased spot supplies. No. 2 to 6 named at 90c@\$1.20tb.

CINCHONA BARK EXPORT LARGER IN 1923

Exports of cinchona bark from Java during 1923 were 6,902,000 kilos, compared with 6,611,000 kilos, in 1922 due mostly to increased buying from England and Japan as is shown in the following table:

Exports to-	1922 Kilos	1923 Kilos
Holland	5,002,000	4,938,000
Japan	750,000	941,000
Great Britain	244,000	574,000
British India	613,000	434,000
Hongkong		2,000
Other countries	2,000	13,000
Total exports	6,611,000	6,902,000

Importation of opium for the manufacture of diacetylmorphine (heroin) will be prohibited by the Porter Bill which has been favorably reported by the House Ways and Means Committee.

After May 1, all methylated alcohol sold in Scotland must carry a quantity of crude pyridine admixed so as to make the material offensive to taste and smell.

Herbert Green & Co., Ltd., Hull, England, began the manufacture of industrial alcohol, ether, and fusel oil on a site at Salt End on the River Humber on Apr. 7. Molasses is the raw material used.

RULE ON MAIL IMPORTS OF ALCOHOL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 23-Rules for customs agents throughout the United States covering the importation by mail of products containing alcohol, have been issued by Assistant Secretary of the Treasury Wadsworth, based on present regulations and the views of the Prohibition Commissioner, as follows:

1. The shipment of intoxicating liquors by mail is prohibited by act of March 4, 1909 (35 Stat. 1131).

2. Mail parcels containing intoxicating liquors or alcoholic preparations or compounds fit for use for beverage purposes, should be seized and forfeited. (See section 593 (b) of the Tariff act of 1922, and section 25, Title II of the National Prohibition act.)

3. Alcoholic preparations or compounds, such as medicinal tinctures, shellacs, varnishes and other mixtures and compounds of similar nature, including patented proprietary medicines, toilet waters, liniments, face lotions, etc., not otherwise specifically provided for, which have been rendered wholly unfit for use for beverage purposes by the addition thereto of medicaments or chemicals or other modifying substances or agents, in such proportion that the alcoholic character of the liquor is practically destroyed, are taxable under paragraph 24 of schedule 1 of the tariff act of 1922, and are not subject to internal revenue tax.

4. Perfumery, including cologne, and other toilet waters, containing distilled spirits, should be treated under the provisions of paragraph 62 of the tariff act of 1922. The internal revenue tax imposed on imported perfumes by section 600 (c) of the act approved February 24, 1919, will be collected by collectors of customs and deposited with the Treasurer of the United States as internal revenue, and so

reported in their accounts (T. D. 39088).

5. The provisions of the memorandum of February 28, 1921, and later issued as a joint departmental circular April 29, 1921, pertaining to the taking of samples of Ng Ka Py, and other alcoholic preparations or compounds, the fitness or unfitness of which for beverage purposes might be questionable, should be followed in taking samples of liquors or alcoholic preparations or compounds received through the mails or otherwise.

GOES TO COURT FOR MORE ALCOHOL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 23.-Atlas Chemical Solvents Corp., Inc., has begun proceedings in the Supreme Court of the District of Columbia against Secretary of the Treasury Mellon, David H. Blair, Commissioner of Internal Revenue and Roy A. Haynes, Prohibition Commissioner, for relief against an alleged arbitrary order issued by the officials cutting down their monthly withdrawal of grain alcohol to 50,000 gallons

The court is informed that the plaintiff uses quantities of alcohol far in excess of 50,000 gallons a month. The principal place of business of the firm is in Brooklyn, N. Y.

Dr. Marston T. Bogert, professor of organic chemistry at Columbia University, has been chosen chairman of the committee on chemical research on medicinal substances of the National Research Council.

The Federal Trade Commission announces that hearings will begin in New York City on April 28 in its case in docket No. 1113 against McKesson & Robbins and Schieffelin & Company.

Gilpin, Langdon & Co. will build an addition to their plant at Eagle and Smallwood Sts., Baltimore.

The Essential Oil Market

Current Spot Quotations of Essential Oils, 1285, Aromatic Chemicals 1286

OIL EUCALYPTUS AGAIN EASIER ON SPOT

Supplies Heavy and Demand Slow—Oil Anise Higher—Oil Bergamot Up Again—Oil Bois de Rose Scarce—Oil Caraway Lower—Oil Coriander Softer—Bourbon Geranium Firmer—Artificial Mustard Easier—Oil Cedar Leaf Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	A	dvanced
	Almond, Sweet, 3c fb. Anise, U.S.P., 2c fb.	Oil Geranium, Bourbon, 25c fb. Oil Ginger, 50c fb.
Oil	Bergamot, Coppers, 35c fb. Bois de Rose, 25c fb.	
Oit		Oil Encalyntus Drums, 2c th.
Oil	Caraway, 20e fb.	Oil Eucalyptus, Drums, 2c tb.

Oil Cedar Leaf, 5c lb. Oil Mustard, Artificial, 10c lb. Oil Sassafras, 10c lb.

Trend of the Market

	199.0	he Ma Last Week	Last	Last Year	War Peak	Pre Wat
Oil Bergamot	\$3.85	\$3.50	\$3.40	\$2.50	37.00	\$5.00
Oil Citronella, Ceylon	.82	.82	.80	.71	.92	.60
Oil Cloves	2.10	2.10	2:15	1.75	3.70	1.40
Oil Lemon, Italian	.85	.85	.85	.70	1.70	2.00
Oil Peppermint, Nat	4.50	4.50	3.80	2.75	9.00	2.25
Oil Sandalwood, E. I	6.70	6.70	6.60	7.85	13.00	5.25
Oil Sassafras, Artif	.36	.36	.36	.42	1.00	.26
Benzaldehyde, U.S.P	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.85	3.85	3.85	4.50	31.00	3.10
Methyl Salicylate, Cans	.47	.47	.47	.62	1.00	.90
Vanillin	.54	2 .54	! .541/2	.40	.95	.20
Vanillin	.541/2	.541/2	.541/2	.40	.93	.20

While the general trend of essential oil prices has been upward for the past two months, buying, at the same time, has eased off in proportion to the rise. Consumers appear to be taking on only sufficient supplies to carry them over what they think is the peak of prices. Stocks on spot are not large enough to keep prices down, and with the high shipment quotations, some factors think that if high values continue to reign for some time to come, considerable difficulty will be experienced in getting shippers to quote normal prices again. Oil bergamot has advanced sharply and now best price is \$3.85 pound spot. Some large sales were put through last week between dealers at \$3.75lb. Oil bois de rose is scarce and closely held. Oil coriander is easier under pressure from weak quarters. Oil cedar leaf is easier, while the wood is firm and little is coming in the spot market. Small demand for artificial mustard has resulted in lower quotations.

Essential Oils

Oil Almond—Sweet is again higher at 48c@50clb. spot. Little business has been transacted in the bitter at \$3.25@\$3.75lb. spot.

Oil Amber—Quiet with supplies ample for present needs at 90c@\$1.00lb. spot. Crude, 70c@75clb.

Oil Anise—U.S.P. has advanced and now quoted at 57c@60clb. spot owing to higher replacement costs and better inquiry in this market. Consumers appear to have stayed out of the market as long as they possibly could before taking on new supplies. Technical, 53c@55clb.

Oil Bergamot—Coppers have advanced sharply and now quoted at \$3.85@\$4.10lb. spot as to seller and quantity. Shipment is still advancing and best price heard is \$4.00lb. c.i.f. New York. Last week saw 75 cases entered at New York London is quoting 17s per pound both for spot goods and "to arrive."

Oil Bois de Rose—Quoted higher at \$5.25@\$5.75lb.

Oil Caraway—Has eased off slightly and is now obtainable at \$8.00@\$8.25lb. spot with tendency for increase in offerings for shipment.

Oil Cassia—While shipment is easy, spot stocks are held at \$2.40@\$2.50lb. for redistilled, and \$1.80@\$1.90lb. for natural in cases. London quotes 8s.3d. and easy thereat with shipment at 7s.9d. per pound.

Oil Cedar Leaf—Has declined and now quoted at 90c @\$1.00lb, spot as to quantity.

Oil Cedar Wood—Firm and active at 34c@36clb. spot in drums.

Oil Citronella—Consumers who failed to cover their needs three months ago are now required to pay much higher prices. When some of the 57clb. material comes in, holders of same will have a distinct advantage over holders of high priced oil. Schimmel tested material, 82c@85clb. spot in drums, pure at 97½c@\$1.00lb. in drums, and Java at \$1.15@\$1.20lb. with shipment of the latter at \$1.00lb. c.i.f. New York. Last week saw 26 drums of Celyon imported at New York.

Oil Cloves-Easy at \$2.10@\$2.201b. spot for cans.

Oil Coriander—Lower at \$12.65@\$12.801b. spot owing slow demand.

Oil Eucalyptus—Has declined again and now quoted at 60clb. spot in drums, and 63c@67clb. in cases with possibilities of further reductions due to the good supply carried on spot.

Oil Geranium—Bourbon higher at \$6.75@\$7.50lb. spot for good quality material. Last week saw 20 casks entered at New York. Algerian, \$7.00@\$8.00lb. as to quality.

Oil Ginger—Quoted higher at \$9.25@\$10.00lb. spot, and scarce thereat.

Oil Lavender—Spike is somewhat firmer, although price is still 90c@\$1.00lb. spot.

Oil Lemon—Market firm at 85c@95clb. spot as to seller and quantity. During past week 898 cases were imported at New York, but this arrival is probably already sold. Shipment named at 68c@70clb. c.i.f. New York as to seller. American, 75c@80clb.

Oil Linaloe-Mexican quoted off the market.

Oil Mustard—Has declined again and now offered at \$3.65@\$3.75lb. spot.

Oil Orange—Sweet West Indian quoted higher at \$2.65@\$2.75lb. spot, and bitter at \$2.65@\$2.75lb. Italian is firm at \$3.25@\$3.50lb. spot as to seller. Last week saw 215 cases of Italian and 15 cases West Indian entered at New York. American, \$3.00@\$3.10lb., Spanish quiet at \$2.65@\$2.75lb.

Oil Pennyroyal—Imported steady at \$1.80@\$2.00lb. spot, and domestic at \$1.90@\$2.25lb.

Oil Peppermint—Quoted firm at \$4.50@\$4.75lb. spot for natural, and \$5.00@\$5.25lb. for redistilled. Reports are heard that up to \$5.00lb. has been asked for natural goods on spot. The situation is undoubtedly a firm one, and if the demand for the oil for menthol production increases, much higher prices are predicted. London is quoting 20s. per pound.

Oil Petit Grain-South American higher at \$1.90@

\$2.00lb. spot with replacement about equal to these prices. Last week saw 30 cases imported at New York.

Oil Sassafras—Lower in quiet market at \$1.55@\$1.65

Oil Vetivert—Bourbon in small supply with holders naming \$12.00@\$13.00lb. spot as a minimum.

Oil Wormseed—Market quiet at \$6.25@\$6.50lb. spot with possibility of shading these figures on firm busi-

Balsams

Peru—Market still quoted at \$1.85@\$1.95lb. spot with tendency for little goods to come in at the moment owing to high prices asked for shipment.

Tolu-In good supply at \$1.50@\$1.60tb. spot.

Vanilla Beans

Bourbon—Has advanced again and now quoted at \$11.00@\$12.00lb. spot. During past week 247 cases were imported at New York.

Mexican—Most of the goods that are being entered now, are going directly into consumption. Whole, \$12.-00@\$13.00lb. spot, and cuts, \$10.00@\$10.50lb.

Aromatic Chemicals

Little business has been reported in this line. Prices, however, are firm, especially from first hands. Resale quarters are shading slightly in some instances.

Bromstyrol—Quoted in active demand at \$2.75@\$4.00 lb. spot as to seller and quality.

Coumarin—Makers report some fair sized quantities sold during the week at \$3.85@\$4.00lb. spot. Resales, \$3.80@\$3.85lb.

Phenylacetaldehyde—Imported in good supply at \$8.00 @\$10.00lb. spot for 50 per cent material, and domestic at \$9.50@\$10.50lb. for 50 per cent goods.

Vanillin—Makers still maintain schedule of 54½c@ 56coz. as to quantity, while resale quarters are sharply lower at 42c@45coz.

The Tin Market

Tin—Market is slightly higher at 49%clb. spot for Straits, 49clb. for standard, and 48%clb. for 99 per cent. Arrivals this month have been 6,140 tons at Atlantic ports, and 5,734 tons afloat.

FRENCH ESSENTIAL OIL TRADE QUIET

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, April 9.—Business in essential oils is very
quiet. Quotations per kilo are as follows:

gardens per ano are as tonous.	
	Francs
Aniseed, Tonka	20@21
Clove	75@78
Geranium, Bourbon	270@280
Gingergrass	88@90
Palma rosa	185@195
Patchouli	180@230
Petit grain	95@100
Rosewood	170@175
Sandalwood, Mysore	275@280
Vervain	34@36
Vetivert, Bourbon	360@370
Ylang Ylang, Bourbon, 1st quality	160@180
Ylang Ylang, Bourbon, 2nd quality	85/008
Linaloe	Nomina1
Cajupart	Nominal
Cananga	Nominal
Citronella, Ceylon	29@30
Citronella, Java	39@40

The Chattanooga Bottle & Glass Co., Chattanooga, Tenn., will install additional equipment. Enlargements will be made in different departments. W. H. Meacham is president.

Attar of roses production in Bulgaria for 1923 is estimated at 120 kilos, according to Vice Consul F. Le Roy Spangler, Sofia.

BERGAMOT OIL CONTINUES TO ADVANCE

Price Fluctuations Numerous In Sweet Orange, Bitter Orange and Other Oils During March

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, April 9.—The demand for sweet orange oil is quiet, but prices remain firm. Bitter orange cil is stagnant and sellers have reduced prices, but few orders have been obtained. Bergamot oil continued its advance, the old and the new product coming very near in price. The stocks available not being abundant, sellers had their own way.

Milan, March 23.—Lemon juice has advanced in price from three to four per cent, sweet orange about four per cent, and bergamot oil from five to fourteen per cent. Mandarine oil and bitter orange remained unchanged. The following table shows the principal fluctuations during the last 11 days;

	March 10 Lire	March 17 Lire	March 21 Lire
Sweet orange oil	130-140	134-140	135 -140
Bitter orange oil	123-130	123-130	122.50-129.50
Bergamot oil	165-170	170-186	175 -186.50
Lemon juice	34- 35	34- 36	34.50- 36.25
Mandarine juice	300-350	300-350	300 -350

Quotations for other essential oils were as follows per kilo:—Angelica root, lire 1,000; angelica seeds, lire 1,290; anis, lire 50; arnica flowers, lire 3,000; absynth, lire 249; Bay S. Thomas, lire 352; Basilicum, lire 350; Roman chamomiles, lire 2,500; Ceylon cinnamon, lire 382; Ceylon citronella, lire 49; Burma citronella, lire 65.85; Ceylon cloves, lire 356; African geranium, lire 378; sandalwood, lire 398; lemon grass, lire 60; pressed Calabrian lime juice, lire 72; Piedmontese peppermint, lire 180; Italian rose, lire 3,800; French rosemary, lire 23; Italian rosemary, lire 23; mustard seed, lire 250; ylang ylang, lire 800.

The following prices were made for the natural essences of flowers:—Clove flowers, lire 4,800; jessamine, lire 9,400 to 20,000; mimosa, lire 490 to 750; oak musk, lire 900 to 1,500; daffodil, lire 3,500 to 10,500; May rose, lire 3,000 to 4,900; tuberose, lire 5,500 to 15,000; Parma violet, lire 40,000; Victoria violet, lire 16,000; absolute iris, lire 4,800 to 5,000.

ALMOND OIL ADULTERATED—UNGERER

Recommending to consumers that if they desire a cheap oil sweet almond, to buy oil peach kernel rather than adulterated so-called sweet almond oil, most of which is nothing more than peach or apricot kernel oils blended with various vegetable oils, Ungerer & Co., New York, American agents for Stafford-Allen & Sons, have issued a statement to the trade as follows: "It is no compliment to either consumers or dealers to say that fully ninety per cent of the oil sweet almonds sold here is misbranded, yet this statement is literally correct. It should be clearly understood that most of the oil offered as oil sweet almonds is actually a blend of little, if any, true almond oil with peach and apricot kernel oil and other vegetable oils of less respectable ancestry. Ethically, if not legally, there is no justification for offering a product as oil sweet almonds unless it is an oil expressed solely from almonds with no admixture of other fatty oils."

A protest by Park & Tilford, that imported genuine lemon juice soap, in the form of lemons, now assessed at the rate of 60 per cent ad valorem, as artificial fruit of whatever material composed, should have been assessed 30 per cent ad valorem under paragraph 82, act of 1922, has been sustained in a decision by Judge McClellan, Board of United States General Appraisers.

The Foreign Markets

Imports of Drugs and Chemiacls, page 1289

AMERICAN PEPPERMINT OIL HIGHER

Advances Announced in Cascara, English Castor Oil and Lemon Oil—Codliver Oil, Zanzibar Cloves, Shellac, Antimony and Arsenic Lower—Menthol and Balsam Tolu Easier

(Special Cable to DRUG & CHEMICAL MARKETS)

London, April 23.—A rapid advance in the price of American peppermint oil is the feature of the London market this week. Higher prices are announced on cascara, senega root, hydrastis, English castor oil, ammonium bromide and lemon oil.

The market is firmer for hexamine and oil bergamot. Prices are easier for menthol and balsam tolu.

Codliver oil, Zanzibar cloves, shellac, antimony and arsenic are lower.

London, April 9. (By Mail)—The sudden improvement in the Continental exchanges has had a stiffening effect on the markets at home and abroad and there is little prospect at present of lower prices from the Continent. The Drug Auctions showed unusual reserve on the part of buyers. Ipecac Matto Grosso has fetched full rates asked, 9s6d to 9s9d per lb. Cascara Sagrada of matured quality is getting scarce and all grades continue firm with upward tendency. Star Aniseed Oil is in good demand for the Continent and advances in price with each transaction; 2s9d to 3s per lb. is now asked. Mercurials have advanced in keeping with the rise in Quicksilver during the last fortnight. Makers now quote in 112 lb. quantities. Bichloride lump, Corros Sublimate, 3s6d per lb; Chloride B. P., Calomel, 3s11d per lb; Red oxide crystals, Red Precipitate, 5s3d per lb.

Opium—The lower price now obtainable enables the manufacturers to reduce their quotations for Morphine and alkaloids as follows: Morphine, powder, 16 ozs. 16s6d, 100 ozs. 16s; Morphine, pure, 16 ozs. 20s8d, 100 ozs. 20s; Codeine, Pure crystals, 16 ozs. 23s3d, 50 ozs. 22s6s; Codeine, sulfate, 16 ozs. 23s6d, 50 ozs. 19s9d.

At a recent meeting of the City Council of Frederiks-stadt, Norway, it was decided to subscribe for preferred stock in the Titan Co. to the extent of 250,000 Kroner. The company was founded a few years ago to produce zinc white. The present capital of the company, 9,000,000 Kroner will as a result of large losses and over capitalization be reduced to 900,000 Kroner. The Titan Co. has an annual capacity of 6,000 tons of zinc white, raw material for which is available in the country.

Italian soap manufacturers have been asked by the Government to make glycerin from their spent lyes which are now going to waste, according to reports. Italy at the present time is importing glycerin from the United States and England.

Business in pharmaceutical products in Switzerland was considerably better in 1923 than in 1922, German competition having been felt less, writes Consul General George H. Murphy, Zurich.

Ore containing 76 per cent platinum is reported to have been discovered along the river Biely, a tributary of the Anadyr river, in Kamchatka, Siberia.

FOREIGN EXCHANGE	Par C	urren
Great Britain (pound sterling)	 \$4,866	\$4.35
France (franc)		.06
Italy (lira)		
Germany (mark) per hundred		
Czechoslovakia (crown) per hundred	 20.80	2.94
Poland (mark) per hundred		
Japan (yen)		-40
Holland (florin)		.37
		.13
Spain (peseta)		
Belgium (franc)		.05
Switzerland (franc)		.17
Norway (krone)		.13
Sweden (krone)		.26
Denmark (krone)	 268	.16
Argentina (peso)	 424	.33
Brazil (milreis)		.11
China (Silver dollar-Hongkong)		.51
(Tael-Shanghai, silver)		.70
(TaelPeking, silver)		.73

GERMANY'S IMPORTS OF CHEMICAL RAW MATERIALS SHOW DECREASE SINCE 1913

Comparison of 1923 Exports and Imports With 1922— Origin of Principal Imports of Chemical Products— Surplus of Exports of Chemical and Pharmaceutical Manufactures Over Imports

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, April 9—German importation of chemical raw and semi-finished products, have decreased constantly since 1913. Last year it dropped to 4 per cent. of 1922. Compared with 1913 this is only ½ per cent. The table shows the surplus of imports over exports in raw and semi-finished products and the surplus of exports over imports of chemical and pharmaceutical manfactures.

Raw and semi-	Import Surplus Raw and semi- finished chemical	Export Surplus Chemical and pharmaceutical products						
1913 1922 1923	products, exclusive of potash salts and other arti- ficial fertilizers 815,808 79,140	Colors and dyes 189,226 141,620 111,072	Sulphate of potassium, chloride of potassium 526,670 245,766 240,239	Other chemical and pharmaceutical products 377,017 293,650 253,767				

The following table gives the exports and imports of 1923 compared with 1922:

	Impo	rt	Export		
Chemical raw materials,	1923	1922	1923	1922	
acids, salts, etc	224,899 7,136 9,408 69,485	312,921 8,316 13,843 343,238	2,583,541 121,033 7,704 26,079	2,692,741 152,774 6,580 19,628	
ceutical products	25,102	38,615	28,561	26,219	
Chemical and pharmaceutical products—Total Coal tar, coal tar oils, etc	336,652 66,441	718,164 75,853	2,784,329 88,314	2,918,276 231,118	

Principal imports and exports of chemical raw materials, and the country of origin or destination are given in the following table in metric tons, the country of origin or destination being placed above the amount imported or exported.

	Imports		Expe	orts
Contract of the last	1923 Chile	1922 Chile	1923 Italy	1922 Italy
Iodine	16,433	15,326	3,732 China 635	3,110 U. S. 785
Phosphorus		77 0	Switzer-	Czecho 1
Sulfur	U. S. 53,249	U. S. 61,320	land 45,883	Slovakia 6,292

			-	
	Imp		Exp	
	1923	1922	1923 Holland	1922 Holland
Ammonia liquid	Poland	Belgium	13,551	13,369
Sulfuric acid	106,854	94,249	3,125 Poland	11,426 Belgium
Nitrie acid	69	10	9,489	18,833
	United Kingdom	United Kingdom		
Boric acid, borax	2,057	4,422	2,455 Czecho Slovakia	1,384 Czecho Slovakia
Salt	******		746,306 Holland	963,536 Holland
Crude salts 12-18% K:O			380,659	401,185
Fertilizer salts 18-42 % K ₂ O.	******	******	588,296 United	501,011
Potassium bromide	18	16	Kingdom 1,053 Italy	U. S. 1,083 Italy
Carbonate ammonia	0.8 United	43	1,200	1,829
	Kingdom	U.S.		
Caustic soda	9,272	8,665	Holland	Holland
Caustic potash	380 Austria	Austria 216	30,000 Sweden	28,022 Sweden
Chloride lime	140	136	12,553	20,715
		Switzer- land	U.S.	U.S.
Potassium chlorate	TY-14-3	33	13,384	
	United Kingdom	United Kingdom		
Sodium sulfate	813	3,199	38,659 116,486	43,543 85,220
			U.S.	U.S.
Copper sulfate	Poland 5	Poland 31	5,013 Denmark	5,273 Denmark
Copperas	2,753	1,879	3,020	1,973
			United Kingdom	United Kingdom
Oxide lead	620	240	529	U. S.
Nitrate ammonia		22	15,611	19,892
	Chili	Chili	Saar	Saar
Nitrate sodium	11,289	31,486	United 524	524 United
	Danzig		Kingdom	Kingdom
Potassium nitrate	Poland 16	Poland	Holland	12,117 Holland
Sulfate ammonia	325 United	1,811	119,205	13,670
	Kingdom	Belgium	U.S.	Russia
Arsenic	96	63		U. S.
Epsom salts				27,896
Chloride calcium and mag-			United Kingdom	United Kingdom
nesium			43,474	39,630
Chloride potassium			U. S. 123,753	U. S. 160,647
Ammonium chloride			6,912	

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity, should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases

Commodity	Number	City and Country or Agency
Candle-making materia Caustic soda, 50 tons; tassium bichromate 1	po-	Dublin, IrelandPurchase
20 tons	9662	Vienna. AustriaPurchase
Chemicals	9665	Geneva, Switzerland Agency
Chemicals	9666	Caracas, Venezuela Agency
Chemical and dyes	9712	Sao Paulo, Brazil Agency
Fertilizers Methanol, 100,000 kilos,	9665	Geneva, Switzerland Agency
_denaturing alcohol	9660	Montevideo, Uruguay Purchase
Paints, oils, and tur	pen-	
Paints and varnishes,	ar- 9701	Habana, CubaAgency
tists' colors	9661	Copenhagen, DenmarkAgency
Rosin and turpentine.	9662	Vienna, AustriaPurchase
Drugs	9666	Caracas, VenezuelaAgency
Medicines, proprietary Pharmaceuticals and	9665	Geneva, SwitzerlandAgency
fume materials Hydrogen peroxide in	9665	Geneva, SwitzerlandAgency
Naphthalene in balls	9770	Winnipeg, CanadaPurchase
Drug sundries and pi	9770	Winnipeg, CanadaPurchase
maceuticals	9797	Alexandria, Egypt Agency
Medicines, proprietary	9725	Bombay, IndiaAgency
Toilet articles	9724	Sao Paulo, BrazilAgency
Toilet requisites, perfu	mes 9725	Bombay, IndiaAgency

BRITISH FIRMS LOSE WHEN FRANC RISES (Special Correspondence to DRUG & CHEMICAL MARKETS)

London, April 9.-On a large number of chemical products, Continental quotations are some points above spot parity. A number of firms appear to have been caught in the recent sudden slump and recovery of French and Belgian currency. On the franc moving in a few days from 90 to 120 to the pound sterling the market was swamped with comparatively cheap offers in francs from France and Belgium and orders of considerable importance were placed. It is usual for firms buying in foreign currencies to cover their commitments by immediately buying francs at exactly the same rate as that at which the orders were placed. However, the opinion both here and on the Continent was so strong that francs would go well below 120 to the pound sterling that many firms did not take the usual precaution of covering themselves by purchasing French and Belgian francs. Then came the sudden and entirely unexpected recovery with the franc now standing steady at a little over 70-a difference of nearly 50 francs to the pound sterling. Goods to the value of £5,000 sterling when the franc was 120 to the pound will cost something like £8,500 at the present rate of the franc.

The position in Germany is difficult for trading and it is becoming daily more and more evident that they are losing ground in this market. Their prices are on an average well above competitive levels and there is some difficulty in obtaining delivery. This is especially so for Potash Salts and for Pharmaceutical chemicals.

In industrial chemicals, Belgium seems very favorably placed and their works are producing at full capacity. To some extent the same position is reported from France, although the recovery in the value of their currency has checked sales a little.

BELGIUM TAKING FEW AMERICAN PRODUCTS (Special Correspondence to Drug & CHEMICAL MARKETS)

Antwerp, Belgium, April 9.—The recovery of the Belgian franc has greatly hampered export business, the sudden drop in prices bringing business to a standstill. Fairly large stocks are available and buyers are exceedingly cautious. Imports from America have been very small, although some business has been transacted in American bichromate of soda.

Alkali products, soda ash, soda bicarbonate and caustic soda, all made on a very large scale in this country by Solvay & Cy, are in very good demand and exceedingly scarce; prices have not dropped, notwithstanding the improve in Belgian currency, and are to day as follows: Soda ash, light, 58°, in bags, Belgian francs 70; bicarbonate of soda, in 50 K° kegs, francs 120; caustic soda 76-77 per cent, francs 150.

Coal tar products are firm and scarce. Large quantities of Belgian naphthalene are exported at £17 per metric ton for refined, balls and flakes.

The Mexican Department of Agriculture has been experimenting with vegetable products of the Northern part of the Republic of Mexico, which have been considered of no commercial value. The ocotillo is found to contain 22 per cent of resin, which could be used in the manufacturing of varnishes. The resin is obtained from the roots. Tannin in large quantities is found in the root of the chichote plant, which grows in large quantities in the State of Queretero, and in other parts of the country. The plant contains in addition to tannin about 37 per cent of a red coloring matter, 3 per cent of gum and 36 per cent of resin. The plant also grows in the United States near the Mexican border.

BUFFALO CHEMICAL TRADE BUSY

Local Distributors Report Diversified Industry of Western New York Keeps Up Demand

(Special Correspondence to DRUG & CHEMICAL MARKETS)
Buffalo, N. Y., April 20.—Sales of industrial chemicals in the Western New York territory, as reflected by the business being done in this city, are holding up better than reports from other sections of the country. This is the consensus of opinion of the Buffalo chemical trade.

"March, April, and May are always good chemical months with us," said E. S. Stevens of Pierce & Stevens, to Drug & Chemical Markets correspondent, "and while March was not equal to that month last year, nevertheless April is picking up, and we are confident

May will be good. We have been expanding our activities of late, but this statement is based upon sales of cur old standbys, industrial alcohol, linseed oil, and naval stores."

"Unlike many other cities Buffalo is not a specialized industrial center—paint and varnish, foundries, rubber, medicines, and foodstuffs all being well represented among our chemical consumers," was the explanation of H. J. Rolls of the Rolls Chemical Co. for the continued good local demand. "We find business by going after it, and it is seldom some sales cannot be dug out. Competition is very keen, but we find less and less price

cutting, which is, after all, the most favorable sign."

No immediate prospects for anything but continued good demand can be seen by Messrs. McNutt and Allison of Nichols-Vogt Chemical Co. "Buyers have the habit," Mr. McNutt said, "of making necessary purchases only; but we find this quite stimulating to local sales, as we are filling many small orders that in more liberal buying times would be placed with makers direct for larger quantities. Customers are certainly low on stocks and I would not be startled to see brisk business, higher prices, and a seller's market again this autumn."

BOSTON CHEMICAL TRADE IS DULL

Business in chemicals and dyestuffs is reported by the Boston trade as decidedly dull. All consuming industries continue on their greatly curtailed operating schedule and very little indication of improvement can be found. The slight increase in textile machinery, started during the past week, cannot be interpreted as a forerunner of better demand for raw stock as it is hardly likely that this increased operating schedule will be long maintained. In most instances resumed operations have been solely for the purpose of giving work to employees. This is particularly true in the case of a couple of large corporations that recently increased their running time.

The one rift in the clouds is the maintenance of prices on both chemicals and dyestuffs. With the exception of oxalic acid which has declined on the influx of foreign made acid there is practically no change in prices from the level that has obtained for the past few weeks. Local dealers are offering oxalic acid at 11½ cents per pound.

A resolution proposing an amendment to the Constitution giving Congress power to prohibit or limit child labor, has been reported to the Senate by Senator Shortridge of California from the Committee on the Judiciary.

The Government's brief in its suit against the Chemical Foundation will be filed this week in the Court of Appeals for the Third District. When the Foundation's brief is filed the court will set a date for argument.

MOVING ON MAY 1?

If you are to change your address on May 1, send the details now to DRUG & CHEMICAL MARKETS for publication in next week's issue, April 30—your new address and new phone number. Mail them to us to-day!

Pacific Oil and Lead Co., San Francisco, announces the removal of its offices to 1900 Bryant st.

Universal Color & Chemicals Co., Philadelphia, dyestuffs and chemicals, has moved into its new building, 240 Arch st.

California Chemical Co. and Inter-Ocean Commercial Co. have moved from 696 Fourth st. to 593 Bryant st., San Francisco.

S. R. David & Co., Inc., dyes and chemicals, have moved their Providence, R. I., office from 76 Dorrance st. to 95 Fountain st.

Lockwood & Co., 115 Broadway, New York, refiners of vegetable oils, will move on May 1, to new offices in the Equitable B'ldg., 120 Broadway.

Brello Míg. Co., of Brooklyn, N. Y., manufacturers of polishes, has opened offices at 1500 Seventh st., San Francisco, with David Davis in charge.

T. J. Parker, Inc., New York, chemicals, dyes and intermediates, will be located at 132 Front st. after May 1. Telephone unchanged, John 6248-2258.

The New York office of Arnold, Hoffman & Co., Inc., has been moved from 61 Broadway to 350 Madison ave., rooms 1903-1904. Harold H. Hall is manager.

Meht & Daniel Corp. will move to Room 1504, 1 Liberty st., New York, on May 1. They are now at 100 Hudson st. The corporation represents Meht & Daniel, 26 Gr. Baeckerstrasse, Hamburg.

Rovey Instrument & Chemical Co., Buffalo, N. Y., control of which has recently been acquired by Pierce & Stevens, will move from Niagara Sq. to Porter St. and Lakeview Ave. about May 1st.

The Chicago office of Semet-Solvay Co., 332 S. Michigan ave., was combined with the Chicago office of Wing & Evans, Inc., 30 N. Dearborn st., on Jan. 1. After May 1, the offices will be moved to 112 W. Adams st., in space adjoining the General Chemical Co.

WAGES HIGHER IN CHEMICAL INDUSTRY

High earnings were maintained in the chemical manufacturing industry throughout the second half of 1923, says the National Industrial Conference Board, 10 E. 39th st., New York. Weekly earnings approached the peak level of 1920. In January, 1924, average hourly earnings of all workers were 51.8 per cents which is 10.4 per cent higher than in January, 1923, and 130 per cent above the figures for July, 1914. Unskilled male labor benefited to the extent of 11.1 per cent. Hourly earnings of skilled male labor advanced 7.7 per cent and of women 9.9 per cent. Average weekly earnings of all workers advanced 13.3 per cent during the year, reaching \$28.20 in January, 1924, which is 119 per cent higher than in July, 1914, and within 2.6 per cent of the peak earnings of 1920.

Chemicals for Consuming Industries

Heavy Chemicals, page 1060; Tan and Dyestuff, page 1280; Fatty Oils, 1279

PRICES RESUME THE DOWNWARD TREND

Producers Maintain Firm Attitude—Competition Among Importers and Resellers Chief Depressing Influence—Prices Appear Near Bottom—Imported Chemical Stocks Below Normal

Prices of chemicals have resumed a downward trend on the open market this week due primarily to the depressing influence of keen competition among importers and resellers for a somewhat larger number of small orders which have come into the market for spot goods. Producers, who report ready acceptance of full quotas on contracts by consumers, maintain a generally firm attitude. Price reductions, all in all, have been inconsequential, and due mostly to a slight shading here and there to bring in an additional order. Outside of acetate of lime, no drastic or really basic price reductions have been made. The market acts very much as though prices were close to bottom. Although imports of chemicals for the past ten days have been quite heavy, three months of reduced imports, especially from Germany, have unquestionably reduced spot stocks below normal.

Agricultural Chemicals

Trea	nd of	the Ma	rket			
	Today		Last Month			Pre. War
Acid Sulfuric, 66° toni					\$55.00	
Ammonium Sulfate. 100 lbs.			2.80		7.75	2.65
Arsenic	.103	4 .11	.111/	.155	2 .18	.04
Copper Sulfate 100 lbs.	4.90	4.90	4.90	6.40	20.00	4.50
Paris Greenb.		.30	.30	.29	.50	.11
Potash Muriate, 80%ton		34.55	34.55		475.00	39.57
Potash Sulfate, 90%ton		45.85	45.85	45.67	440.00	48.07
Phosphate Rock, 68%ton		2.25	2.25		11.00	3.60
Phosphate, Acid, 16%ton		7.50	7.50	10.00	21.00	15.00
Sodium Nitrate100 fbs.		2.60	2.52	2.62	5.00	1.90
	44 470.00					

Nitrate of soda continues to occupy the largest amount of attention in the market for fertilizer materials. While there were some arrivals of nitrate at New York last week, practically all of it had been sold in advance so that the spot situation showed no relief from the scarcity which has developed. Demand has not been excessive but owing to the limited amount of supplies on spot, prices have remained strong though no further advances have been noted. Tankage has firmed up a bit during the week with the removal of some of the cheaper lots from the market. Aside from these two items there is little of interest in the market. Buying in quantity is practically over and such buyers as are interested are only making purchases after considerable shopping around. Deliveries on contract are drawing to a close and the trade is not expecting any but occasional routine orders from time to time. The cold weather this Spring is delaying agricultural activity in nearly all sections of the country and planting is now from two to three weeks behind. Insecticides are marking time awaiting action from buyers. Calcium arsenate is growing weak while arsenic is not moving at all. Paris Green buying is reported fairly active.

Fertilizers

Ammonium Sulfate—Scarcity of sodium nitrate is causing some buyers to turn to sulfate but no appreci-

able increase in business is reported. The season for contract deliveries is drawing to a close and next season business will soon be occupying sellers' attentions. While prices are low shading is understood to be possible on firm business. Producers' prices are quoted \$2.70 @\$2.80 in bulk at the works and \$1.75@\$2.85 in single bags. Export buying is quiet with quotations, \$2.60@\$2.70 f. a. s.

Ammoniates—Tankage has firmed up after some of the cheap lots were removed from the market. Spot tankage is quoted from \$2.50@\$2.75 while Chicago is offered at \$2.25@2.35. No fish scrap is available at present. Cyanamide is holding at \$2.00@\$2.10. Dried blood is easier around \$3.35@\$3.50, spot and \$2.75@\$3.00 Chicago. Raw bone meal Chicago, \$25.00 ton and steamed and ground, \$2000@\$23,00 ton; spot \$27,00@\$29.00

Acid Phosphate—New business is reported slow and the bulk of the shipments are on former contracts. Quotations are holding around \$7.50@8.00 ton works.

Phosphates—No important activity is reported and owing to the competition in the field the schedule of prices are subject to shading. Florida pebble, 68%, \$2.25 ton, mines; 70%, \$2.50; 75-74%, \$3.75. Tennessee, 72%, \$5.50 ton.

Potash Salts—Aside from the regular shipments and deliveries on contract there is little of interest in the market. New business is being taken on the regular price schedule, f. o. b. Atlantic ports, with discounts according to quantity. Potassium muriate, basis 80%, \$34.55 ton; Sulfate, 90% basis \$45.85; double manure salt, 30%, \$26.35; 20% \$10.55; kainite, 12.4% \$7.22.

Sodium Nitrate—Recent arrivals at New York had been sold in advance and supplies on spot continue scarce with a consequent strength in prices. Sales are being made on the basis of \$2.60@\$2.65, New York, while futures, May and June deliveries, are quoted \$2.55@\$2.60.

Sulfuric Acid—Current business is reported quiet while deliveries on contract are going out regularly. Selling bases are unchanged with 66° in tank cars quoted \$14.00@15.00 ton at works and 60°, \$9.00@10.00 ton.

Sulfur—Producers are quoting the crude steady \$14.00 @\$15.00 ton at the mines. Commercial, 99% is held at \$2.00@\$2.50 per 100lbs. Sulfur lime is quoted 8c@10clb. for dry and 15c@16c gal for 33% solution. Lime in barrels named at 1½clb.

Insecticides

Copper Salts—Shipments on previously made contracts are going out to some sections of the country while new business is somewhat slow at present. Until repeat orders and late business begins coming in little activity is expected. Domestic prices are unchanged with carlot business quoted \$4.85 and smaller quantities up to \$5.00. Imported sulfate appears in little demand and recent arrivals are understood to be sold. Quotations are heard at \$4.40@\$4.75 according to quantity. Copper carbonate is offered at 16½c@17clb.

Arsenicals—Arsenic has been arriving freely, 2,870 cases and 772 bbls being imported at New York last week. No buying of arsenic is reported, however, and the market is weak with holders listening to any kind of an offer. Firm business could no doubt do 10clb.

though quotations are usually from 10½c@11½clb. depending upon seller. Calcium arsenate is offered cheaper at 11c@11½clb. with no buying reported. Lead arsenate is steady, 19c@20clb. in large quantities and up to 25clb. in small lots; paste, 11c@16clb. Paris Green has been in fair demand at unchanged prices 30clb. in kegs and up to 39clb. for small packages. Sodium arsenite quoted \$1.00 gallon.

Miscellaneous—Formaldehyde is holding at the recent lower levels of 1034clb. in carlots and 11clb. in barrels; Bordeaux mixture is unchanged at 12c@16clb. for 16%; lead acetate has been reduced ½c to 14½c@15clb. for white crystals; corrosive sublimate, 40%, now quoted 93clb; para-dichlorbenzene steady, 17c@22clb.

Leather Chemicals

Tres	nd of t	he Ma	rket			
	Today	Last Week		Last Year	War Peak	Pre. War
Acid, Acetic, 28%	\$3.12	\$3.37	\$3.38	\$3.171/25	17.00	\$1.50
Acid, Formic, 90%	.13	.13	.13:4	.16	1.501/4	.07
Acid, Lactic, 22% dark	.05	.05	.05	.047/2	.07	.02
Potassium Bichromate	.091/2	.091/2		.10	.65	.063/4
Epscm Salt, tech	1.80	1.80	1.80	1.85	3.75	1.00
Sodium Prussiate, Imp	.101/2	.1034		.18	1.25	.18
Soda Ash, 58% wks	1.38	1.38	1.38	1.45	4.10	69
Sodium Bichromate	.071/2	.071/2	.071/2	.071/2	.45	.043/4
Sodium Hyposulfite	2.75	2.75	2.75	3.00	3.75	1.80
Sodium Sulfide, 60% wks	.031/2	.031/2	.031/2	.041/4	101/4	.023/4
Average	.956	.980	.981	1.009	3.267	.528

A further decline in acetate of lime has resulted in a revision of acetic acid prices of from 25c per hundred for the 28 per cent to 89c for glacial. Aside from this change in the market there has been little change in the situation. Demand is far from active, buying being

mainly for small routine quantities. Prices on the whole are steady with occasional changes in items affected by fluctuations in raw materials.

Acids-Demand for acids is mainly along routine lines with prices on the whole steady. Tanneries and textile mills are still operating below normal and consumption is restricted to small quantities for immediate needs. Acetic acid has been reduced, following a decline in lime acetate during the week, and is now quoted \$3.12@\$3.37 for 28% in barrels as to quantity; 56%, \$5.85@\$6.10; 70% \$7.20@\$7.45; 80%, pure, \$9.98@\$10.23; glacial, \$11.01@\$11.76; lactic acid is moving regularly at unchanged prices, 22% dark, 5c@51/2ctb.; light, 6c@ 6½clb.; 44%, dark, 10½c@11clb.; light, 12½c@13clb.; 66%, dark, 16½c@17clb.; light, 26c@26½clb.; formic acid is in limited supply and firm with 90% quoted 13c@131/2cfb.; oxalic acid continues easy with makers quoting 10½c@11cfb. and imported 10¼c@10½cfb.; muriatic is holding at \$1.30@\$1.80 for 20° in carboys; sulfuric 66°, in carboys from \$1.35@\$1.75 and in drums, \$1.10@\$1.25; oleum, \$1.25@\$1.75 in drums and \$17.00 ton in tanks; tannic acid, technical, 35c fb.

Alkalis—Shipments of alkalis for this month have shown an improvement over the preceding one but textile and leather consumption has not been up to normal. Other industries are keeping up the alkali production. Makers' prices are steady with contract business quoted as follows: soda ash in carlots, bulk, \$1.25; bags, \$1.38; barrels, \$1.63 at works; caustic soda, solid 76% in carlots of drums at works, \$3.10 and ground and flake, \$3.50. Less than carlot business, New York, for ash, \$2.04@\$2.19 in bags and \$2.29@\$2.44 in barrels; caustic soda, lc/l quantities, \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.



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Springfield, Mass. 24 Lester St. Bichromates—Contract deliveries proceed steadily, but most of the current business is for small quantities. Makers prices remain steady with sodium bichromate quoted 7½c@7¾ctb. and potassium bichromate 9½c @9¾ctb.

Chemicals-Few changes have been noted in the list of leather chemicals. Imported prussiates are easier and lower prices are heard in some quarters. Domestic sodium prussiate is quoted at 12ctb. while imported has sold as low as 10cfb, though generally quoted 101/2c@ 11cfb.; potassium prussiate, yellow, offered at 181/2c@ 19ctb. and red is lower in some directions at 38c though generally named at 40c@42ctb.; formaldehyde is selling at the lower levels of 11ctb. in barrels with carlots, 103/4 ctb.; barium products continue strong with chloride, \$90.00 ton; ammonia alum quoted \$3.50@\$3.65; sal ammoniac is quiet at 61/2c@63/4ctb. for imported white and 71/4c@8cfb. for domestic; imported Epsom salt is quoted \$1.20 for shipment and domestic \$1.80@\$2.00; Glauber's salt steady, \$1.30@\$1.75; potassium titanium oxalate is quiet and offered at 25c@30cfb.; tartar emetic unchanged, 26c@28cfb.; sodium sulfide is in routine demand with solid, 31/4 c@4ctb., broken, 4c@5ctb. and crystals, 21/4c@23/4cfb.

Extracts—Practically no change in the situation for tanning extracts has taken place during the week, business continuing along the same conservative lines that has been characteristic of the markets for some time. Gambier and sumac continue scarce. Archil is quoted 13c@16clb.; chestnut, 134c@2clb.; cudbear, 18c@20clb.; Rangoon cutch, 14c@16clb.; Borneo cutch, 434c@5½clb.; gambier, 10½c@13clb.; cubes, 18c@20clb.; logwood, 9clb.; quebracho, 3c@3½clb.; sumac, 7c@8clb.

Oils—Although the market has been quiet in general, a fair routine demand has been noted and prices are well maintained. Situation reflects a slightly firmer undertone Linseed oil is quoted 90cgal. carlots, and 93cgal., less than carlots. Neatsfoot oil is in fair demand at 18½cfb. for 20 deg. c.t. Castor oil is firm at 16c@16½cfb. Newfoundland cod oil is quiet at 63c @65cfb. Refined menhaden is quoted 61c@63cfb., light strained.

The total value of exports of leather from the United States during the calendar year 1923, according to pre-liminary figures, says W. A. Donovan, of the Hide and Leather Division, amounted to \$42,833,952, which represents a slight decrease in value as compared with 1922, when they amounted to \$45,471,108. Although there was a decline in the total value of exports, there were increases in a few of the individual classes of leather, particularly sole leather, glove leather, and upholstery leather. There was, however, a slight decrease in all the other classes of leather.

Paper Chemicals

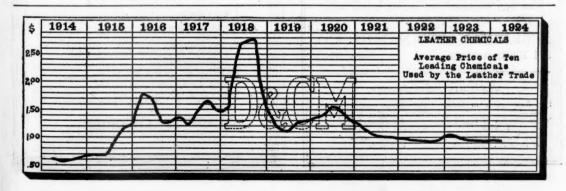
		Last	Last	Last	War	Pre.	
	Today	Week	Month	Year	Peak	War	
Aluminum Sulfate	 \$2.40	\$2.40	\$2,40	\$2,40	\$5.50	\$1.50	
Bleaching Powder		1.90	1.90	2.00	9.50	1.50	
Casein				.25	.28	.20	
China Clay, Dom		10.00	10.00	15 00	25.00	8.00	
Chlorine Cyl		.061/	.05	.051/4	.30	.08	
Salt Cake		20.00	20.00	25.00	80.00	11.00	
Sodium Silicate, 40°		.80	.80	.95	1.75	2.00	
Soda Ash		1.38	1.38	1.45	4.10	.69	
Sulfur		18.00	18.00	18.00	65.00	20.00	
Rosin F grade		5.80	5.70	6.15	4.50	20.25	
Average	 6.025	6.025	6.015	7.235	13.30	5.50	

Aside from the regular deliveries on contract, business in paper chemicals has been quiet. The paper industry is still operating far below capacity and naturally consumption of chemicals is restricted to smaller quantities. Basic chemicals such as caustic soda and soda ash are steady in price while bleaching powder and liquid chlorine have been holding at recent prices. Some interest is being displayed in casein and the market is somewhat unsettled. Rosins appear due for lower prices with the arrival of new crop in the market.

Alkalis—Shipments of alkalis for this month have shown an improvement over the preceding one but textile and leather consumption has not been up to normal. Other industries are keeping up the alkali production. Makers' prices are steady with contract business quoted as follows: soda ash in carlots, bulk, \$1.25; bags, \$1.38; barrels, \$1.63 at works; caustic soda, solid 76% in carlots of drums at works, \$3.10 and ground and flake, \$3.50. Less than carlot business, New York, for ash, \$2.04@\$2.19 in bags and \$2.29@\$2.44 in barrels; caustic soda, 1c/l quantities, \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.

Bleaches—Contract deliveries are proceeding steadily while new business is coming in from time to time. With the approach of warmer weather there is a tendency to look for lower prices but present selling levels are being maintained. Bleaching powder is selling at \$1.90 for carlots of large drums at the works on contract and \$2.15 for small drums. Less than carlot business is quoted 25c higher than carlots. Liquid chlorine is holding at recent levels with tank cars on contract quoted 4½clb. and carlots of cylinders, 5½clb.; less than carlots are 6½clb. and less than ton lots, 7½clb.

Chemicals—The market presents a steady appearance with no changes noted during the week. Aluminum sulfate is quoted \$2.25@\$2.40 for the iron-free while commercial is held at \$1.30@\$1.40; salt cake is firm now at \$20.00@\$22.00 ton at the works; sodium silicate presents no new features with 40° in drums quoted 80c@85c and in tanks 75c 100fbs.; sodium sulfite is



steady, 4c@4½cfb. for dry and \$1.25@\$1.75 per 100lbs. for liquid; blanc fixe is steady, \$75.00@\$80.00 ton for dry; sulfur is quoted unchanged, \$14.00@\$15.00 ton at mines or \$18.00@\$19.00 ton New York; lime is moving regularly at \$12.00@\$14.00 ton.

Sizings—Casein presents an unsettled appearance with the arrival of large quantities from Argentine recently. The market appears to be holding fairly close to 10½c lb. as a minimum price and up to 11½clb. Rosins appear to be weakening with the arrival of new crop material and unless an active demand develops lower prices seem probable. Quotations: B to I, \$5.80; K, \$5.85; M, \$5.95; N, \$6.25; WG, \$7.10; WW, \$7.50.

Rubber Chemicals

Tre	nd of	he Ma	rket			
		Last	Last	Last Year	War Peak	Pre. War
Antimony Sulfide Crim	\$.39	\$.39	\$.39	\$,35	\$.45	\$.35
Carbon Risulfide	.06	.06	.06	.06	-50	.10
Carbon Black	.12	.12	.11	.15	.30	.14
China Clay, Imp		16.00	16.00	16.00	20.00	14.00
Hexamethylene			.821/4	.97	1.35	
Iron Oxide, Span				.97	.041/2	95
Lithopone	.061/	.061	.0654	.06	.08	.04
Sulfur		3.05	3.05	2.50	6.50	2.75
Whiting, Dom		14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer				.07	.091/2	
Average	3.463	3.463	3.462	3.820	5.931	

A quiet market prevailed in rubber chemicals during the past week, outside of a fair demand for carbon black, whiting, and barytes. With stocks in sellers hands about normal and with the potential inquiry for the next three months still to be reckoned with, the position of most rubber chemicals is firm with little probability of any general decline in the whole list for the three months period at least. Offering of compounding materials from abroad appear to be on the increase, but prices remain steady owing to the firmness of exchanges. Benzene is strong and some factors expect higher prices in the near future. Accelerators are in routine demand only for spot consumption, but reports state that foreign inquiry shows an increase.

Acid, Acetic—Following the second reduction in lime acetate within a month, makers reduced their prices accordingly. The new schedule is quoted: 28%, \$3.12 @\$3.37 as to quantity in barrels; 56%, \$5.85@\$6.10; 70%, \$7.20@\$7.45; 80% commercial, \$8.19@\$8.44; 80% pure, \$9.98@\$10.23; Glacial \$11.01@\$11.76.

Accelerators—This group has caused little attention last week with aniline oil quoted at 16c@17clb. works and 17c@18clb. spot Diphenylguanidine is quiet and price is unchanged at \$1.10@\$1.15lb. spot as to quantity. In a large way, however, \$1.05 is quoted. Hexamethylene is in routine demand at 82½c@85clb. spot. Litharge is not quite as firm as some time ago, although price is unchanged at \$11.50cwt. Quinoidine is quiet at 55clb. spot in drums.

Colors and Compounding Materials—Orders have been numerous, but the volume is not fully up to expectations for this time of the year. Antimony sulfide is steady at 19c@24clb. spot for golden, and 39c@50clb. for crimson. Asbestine is reported in small demand at \$18@\$20ton works. Blanc fixe is quiet with holders still naming 4c@4½clb. f. o. b. New York. Carbon black



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is in fair demand with a tendency for higher prices owing to possible restrictions in future production. Spot in 1c/1 quoted at 12c@14c lb. for ordinary, 14c@161/2clb. for air floated, and 12c@14clb. for compressed. Car lots at works are inside at 81/2 clb. China clay is steady at \$18@\$20 ton for imported, and \$13@\$18 ton works or \$22@25 ton ex-warehouse for domestic, Iron oxide is of little interest to consumers at 3½c@7½clb. spot for Spanish, and 12c@16clb. for English. Lithopone is in active demand at 61/2c@71/2clb. spot. Magnesium carbonate is routine only with holders naming 81/4 c@83/4c lb. spot, and heavy calcined at 5½c@6cfb. Talc shows considerable activity at \$16@\$18 works and \$28@\$30 ton ex-warehouse for domestic material; French, \$40 @45 ton; and Italian, \$60@80 ton. White barytes is active with domestic holders naming \$24@26 ton St. Louis, and imported at \$29@\$34 ton as to quality. Whiting also shows considerable activity at \$18@\$22 ton for imported, and \$13@\$15 ton for domestic. Zinc oxide is steady at 83/4c@9clb. spot as to quality.

Mineral Rubber—Quoted in good supply at \$35@\$75 ton as to seller and quality.

Solvents—C. P. acetone is easy with possibility of shading 16c@17clb. works for c/1; methyl acetone, 85c90c gal. and acetone oils, \$1.25@\$1.40gal. Benzene positior is firm and a higher schedule is entirely possible, according to the trade. Unchanged, however, at 23c@25c gal. in tanks, and 28c@30gal. in drums for 90 per cent material. Pure also firm at 24c@25c gal. in tanks, and 29c@33cgal. in drums. Carbon bisulfide is in routine demand only at 6c@6½clb. spot. Sulfur chloride is in small demand at the moment at 5c@6clb. for yellow, and 6c@7clb, for red.

Sulfur—Demand quiet and prices unchanged at \$3.05 @3.30cwt. for ordinary and \$2.50@2.90cwt, for superfine.

Textile Chemicals

Tre	nd of t	he Ma	rket			
	Today		Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28%		\$3.37	\$3.38	\$3.171/2		\$1.50
Bleaching Powder	1.90	1.90	1.90	2.00	9.50	1.50 4.50
Copper Sulfate Epsom Salt, U.S.P	5.00 2.16	5.00	5.00 2.10	6.40 2.25	20.00 4.25	1.50
Glauber's Salt	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp Soda Ash, 58% wks		1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks Sodium Bichromate	3.10	3.10	3.10	3.161/2		1.80
Average	1.818	1.842	1.843	1.905	4.800	1.42

Another reduction in all grades of acetic acid following a decline in calcium acetate during the week has been the outstanding feature in textile chemicals. Lead acetate has also been reduced while other products derived from acetic acid will undoubtedly be affected by the reduction. While demand continues slow, prices are showing no radical changes, but a gradual downward revision has been noticeable. Reports of wage reductions and possibilities of a general strike among textile workers have been emanating from New England indicating additional uncertainty and further inactivity in textile industry.

Acids—Demand for acids is mainly along routine lines with prices on the whole steady. Tanneries and textile mills are still operating below normal and consumption is restricted to small quantities for immediate needs. Acetic acid has been reduced, following a decline

nn lime acetate during the week, and is now quoted \$3.12@\$3.37 for 28% in barrels as to quantity; 56%, \$5.85@\$6.10; 70% \$7.20@\$7.45; 80%, pure, \$9.98@\$10.23; glacial, \$11.01@\$11.76; lactic acid is moving regularly at unchanged prices, 22% dark, 5c@5½ctb.; light, 6c@6½ctb.; 44%, dark, 10½c@11ctb.; light, 12½c@13ctb.; 66%, dark, 16½c@17ctb.; light, 26c@26½ctb.; formic acid is in limited supply and firm with 90% quoted 13c@13½ctb.; oxalic acid continues easy with makers quoting 10½c@11ctb. and imported 10¼c@10½ctb.; muriatic is holding at \$1.30@\$1.80 for 20° in carboys; sulfuric 66°, in carboys from \$1.35@\$1.75 and in drums, \$1.10@\$1.25; oleum, \$1.25@\$1.75 in drums and \$17.00 ton in tanks; tannic acid, technical, 35c fb.

Alkalis—Shipments of alkalis for this month have shown an improvement over the preceding one but textile and leather consumption has not been up to normal. Other industries are keeping up the alkali production. Makers' prices are steady with contract business quoted as follows: soda ash in carlots, bulk, \$1.25; bags, \$1.38; barrels, \$1.63 at works; caustic soda, solid 76% in carlots of drums at works, \$3.10 and ground and flake, \$3.50. Less than carlot business, New York, for ash, \$2.04@\$2.19 in bags and \$2.29@\$2.44 in barrels; caustic soda, lc/l quantities, \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.

Bichromates—Contract deliveries proceed steadily, but most of the current business is for small quantities. Makers prices remain steady with sodium bichromate quoted 7½c@7¾ctb. and potassium bichromate 9½c@9¾ctb.

Bleaches—Contract deliveries are proceeding steadily while new business is coming in from time to time. With the approach of warmer weather there is a tendency to look for lower prices but present selling levels are being maintained. Bleaching powder is selling at \$1.90 for carlots of large drums at the works on contract and \$2.15 for small drums. Less than carlot business is quoted 25c higher than carlots. Liquid chlorine is holding at recent levels with tank cars on contract quoted 4½ctb. and carlots of cylinders, 5½ctb.; less than carlots are 6½ctb. and less than ton lots, 7½ctb.

Chemicals-The market in textile chemicals remains in practically the same position with the exception of a few minor changes. Prussiates continue easy with imported sodium prussiate selling around 101/2ctb. and potassium down to 181/2c@19cfb. for yellow and as low as 38c@40ctb. for red; Lead acetate has been reduced 1/2ctb. and white crystals are now quoted 141/2c @15ctb.; barium chloride is strong on spot scarcity at \$90.00 ton; sal ammoniac sales at 61/2c@63/4cfb. for imported white and 71/4c@8ctb. for domestic; copper sulfate is unchanged with domestic quoted \$4.90@\$5.00; potassium permanganate is quiet around 14c@15cfb.; caustic potash is firm at 63/4c@7cfb.; imported Epsom salt is scarce while domestic is unchanged at \$2.15@ \$2.50 for U.S.P. and \$1.80@\$2.00 for technical; sodium acetate is holding at 5cfb.; tin crystals are quoted 351/2c @36cfb. but lower prices are probable next month, due to the lower tin market; sodium sulfide prices show no change.

Starches and Dextrines—Only routine business has been reported in the market during the past week, with the general situation exceedingly quiet and without feature. A slightly better inquiry has been noted but the bulk of the buying continues to originate in the confectionery trade. Technical albumen is quoted \$1.25fb.; British gum. \$4.09@\$4.24; white corn dextrine, \$3.74; yellow, \$3.79; potato, 7½c@8cfb.; powdered corn starch, \$3.27: pearl, \$3.17; potato, 5½c@6cfb.; tapioca flour, 7½c@8cfb.; lower grade, 4c@4½cfb.

steady, 4c@4½cfb. for dry and \$1.25@\$1.75 per 100fbs. for liquid; blane fixe is steady, \$75.00@\$80.00 ton for dry; sulfur is quoted unchanged, \$14.00@\$15.00 ton at mines or \$18.00@\$19.00 ton New York; lime is moving regularly at \$12.00@\$14.00 ton.

Sizings—Casein presents an unsettled appearance with the arrival of large quantities from Argentine recently. The market appears to be holding fairly close to 10½c lb. as a minimum price and up to 11½clb. Rosins appear to be weakening with the arrival of new crop material and unless an active demand develops lower prices seem probable. Quotations: B to I, \$5.80; K, \$5.85; M, \$5.95; N, \$6.25; WG, \$7.10; WW, \$7.50.

Rubber Chemicals

Tre	nd of	the Ma	rket			
		Last	Last Month	Last Year	War Peak	Pre. War
Antimony Sulfide Crim Carbon Bisulfide	\$.39 ,06	\$,39 .06	\$.39	\$,35 .06	\$.45 .50	\$.35
Carbon Black		16.00	16.00	16.00	20.00	14.00
Hexamethylene				.97	1.35	
Lithopone		3.05	3.05	2.50	6.50	2.75
Whiting, Dom			14.00	18.00	30.00	11,00
Average	3.463	3.463	3.462	3.820	5.931	

A quiet market prevailed in rubber chemicals during the past week, outside of a fair demand for carbon black, whiting, and barytes. With stocks in sellers hands about normal and with the potential inquiry for the next three months still to be reckoned with, the position of most rubber chemicals is firm with little probability of any general decline in the whole list for the three months period at least. Offering of compounding materials from abroad appear to be on the increase, but prices remain steady owing to the firmness of exchanges. Benzene is strong and some factors expect higher prices in the near future. Accelerators are in routine demand only for spot consumption, but reports state that foreign inquiry shows an increase.

Acid, Acetic—Following the second reduction in lime acetate within a month, makers reduced their prices accordingly. The new schedule is quoted: 28%, \$3.12 @\$3.37 as to quantity in barrels; 56%, \$5.85@\$6.10; 70%, \$7.20@\$7.45; 80% commercial, \$8.19@\$8.44; 80% pure, \$9.98@\$10.23; Glacial \$11.01@\$11.76.

Accelerators—This group has caused little attention last week with aniline oil quoted at 16c@17clb. works and 17c@18clb. spot Diphenylguanidine is quiet and price is unchanged at \$1.10@\$1.15lb. spot as to quantity. In a large way, however, \$1.05 is quoted. Hexamethylene is in routine demand at 82½c@85clb. spot. Litharge is not quite as firm as some time ago, although price is unchanged at \$11.50cwt. Quinoidine is quiet at 55clb. spot in drums.

Colors and Compounding Materials—Orders have been numerous, but the volume is not fully up to expectations for this time of the year. Antimony sulfide is steady at 19c@24clb. spot for golden, and 39c@50clb. for crimson. Asbestine is reported in small demand at \$18@\$20ton works. Blanc fixe is quiet with holders still naming 4c@4½clb. f. o. b. New York. Carbon black



Yellow Prussiate of Soda of Potash

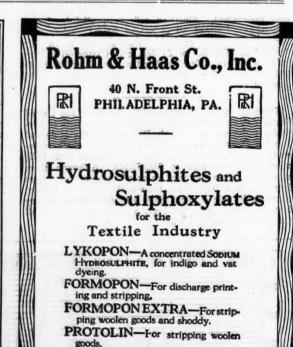
A new source of supply based upon primary raw materials entirely of our own manufacture. Production and deliveries therefore are regular and dependable.

AERO BRAND Yellow Prussiate of Soda and Yellow Prussiate of Potash are products of exceptional purity and compare favorably with any other grade ever produced. We are the largest manufacturers of prussiates in the world.

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ALUMINUM CHLORIDE -

woolen stock.

Crystals and liquid, for carbonizing

is in fair demand with a tendency for higher prices owing to possible restrictions in future production. Spot in 1c/1 quoted at 12c@14c lb. for ordinary, 14c@161/2clb. for air floated, and 12c@14clb. for compressed. Car lots at works are inside at 81/2 clb. China clay is steady at \$18@\$20 ton for imported, and \$13@\$18 ton works or \$22@25 ton ex-warehouse for domestic, Iron oxide is of little interest to consumers at 31/2c@71/2clb. spot for Spanish, and 12c@16clb. for English. Lithopone is in active demand at 61/2c@71/2clb. spot. Magnesium carbonate is routine only with holders naming 81/4 c@83/4c lb. spot, and heavy calcined at 51/2c@6cfb. Talc shows considerable activity at \$16@\$18 works and \$28@\$30 ton ex-warehouse for domestic material: French, \$40 @45 ton; and Italian, \$60@80 ton. White barytes is active with domestic holders naming \$24@26 ton St. Louis, and imported at \$29@\$34 ton as to quality. Whiting also shows considerable activity at \$18@\$22 ton for imported, and \$13@\$15 ton for domestic. Zinc oxide is steady at 83/4c@9clb. spot as to quality.

Mineral Rubber—Quoted in good supply at \$35@\$75 ton as to seller and quality.

Solvents—C. P. acetone is easy with possibility of shading 16c@17clb. works for c/l; methyl acetone, 85c90c gal. and acetone oils, \$1.25@\$1.40gal. Benzene positior is firm and a higher schedule is entirely possible, according to the trade. Unchanged, however, at 23c@25c gal. in tanks, and 28c@30gal. in drums for 90 per cent material. Pure also firm at 24c@25c gal. in tanks, and 29c@33cgal. in drums. Carbon bisulfide is in routine demand only at 6c@6½clb. spot. Sulfur chloride is in small demand at the moment at 5c@6clb. for yellow, and 6c@7clb. for red.

Sulfur—Demand quiet and prices unchanged at \$3.05 @3.30cwt. for ordinary and \$2.50@2.90cwt. for superfine.

Textile Chemicals

Tre	nd of t	he Ma	rket			
		Last	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28%		\$3.307	\$3.38	\$3.171/2		\$1.50
Acid Oxalic	.101/2	-101/s		.121/2		.073/4
Bleaching Powder	1.90	1.90	1.90	2.00	9.50	1.50
Copper Sulfate		5.00	5.00	6.40	20.00	4.50
Epsom Salt, U.S.P		2.10	2.10	2.25	4.25	1.50
Glauber's Salt		1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp			.061/2	.08	.87	.12
Soda Ash, 58% wks		1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks		3.10	3.10	3.161/2	9.50	1.80
Sodium Bichromate				.071/2	.45	043/4
Awarama	1 212	1 842	1 843	1.905	4.800	1.42

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Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

- 1 Imperial Gallon (British) —1.20 American Gallons 1 American Gallon — .833 Imperial Gallon
- 1 American Gallon —3.79 Liters
- 1 Liter .264 American Gallon 1 American Gallon (Water)—8.35 Pounds
- 1 Pound (Avoirdupois) .454 Kilograms 1 Kilogram —2.20 Pounds
- Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech. 150 b bbls b	.27		Acid Carbolie—(continued)			Acid, hydrofluorie-(continued)			
100 lb kgs	.25		Liquid USP, 11b bot To	.39		60% 100 lb cby. wks lb		:	.14
USP 200 h bbls	.30		Crude, 25% 50 gal. bbls. gal	.35		60% 300 fb dr., wks fb		:	.13
Second Hands	.20 :	.31	10%, 50 gal. bblsgal	.30	: .32	White Acid, 100 lb cby, wks. lb	***	:	.26
cetic Anhydride	:		Carbonic, see Carbon Dioxide			White Acid, 10 cbys. wks Ib		:	.25
85-89%, 107 lb cbys lb			Chloracetie.			Hydroduosilicie, 85% 450 b bbis.			
90-95%, 100 h cbys	:		mono 100 m bbls, wks m			wks			.12
C.P. 100 lb cbys	:	.80	Di, 150 h chys wies h		: 1.00				
cetone. CP 700 lb crs. c/l wks lb	:	.15%	Tri, 425 lb bbls. wiss lb		: 2.45	Hypophosphorous, USP 30% 5			
700 lb drs. le/l wks		.16	Chlorosulfonic, 1500 lb drs.			gal. demis		:	.85
350 lb drs. le/l wkslb	:	.1636	wks	.15	: .16	USP, 10% 5 gal. demis ib		:	.80
Second Hands, spot Ib			Chromic, USP 200 to drums To		: .40	LACTIC, 22% dark 500 m bbls. m	.05	:	.05
			85% Pure, 200 b drums Ib			22% light, bbls	.06	:	.08
retone Oils, light, drs. wksgal	1.40		Chromotropie, 300 lb bbls lb			44% dark, bbls	.10	14:	.11
Heavy, drs., wksgal	1.25		Chrysophanic, see Chrysarobin			44% light, bbls	.12		.13
retphenetidin, 150 m bblsm	1.35 :		Cinnamic, 5 D cans D		: 3.93	66% bbls, dark, bbls ID	.16		.17
etyl Chloride, 100 h cbysh	.40 :	1000				66% light, bbls	.26		.261
CID. 1, 2, 4, 250th bbls th	*** 3	1.30	CITRIC, USP cryst. 230 m bbls. m		: .48	USP IX 100 m ebys m		2	.75
Acetic, 28%, 400 m bbls., c/1			Powd., USP, 200 m bbls. m		: .49	USP VIII 100 h chys h			.TO
wks	!	3.12	Imported, crys. 112 m kegs. m	.47%		Laurent's, 250 lb bbls lb			.90
28%, lc/l wks100 lb	:	3.37	Single kegs	.481/	: .49	AND THE RESERVE AND THE PERSON OF THE PERSON	***		
56%, c/l wks100 lb	:	5.85	Cleves, 250 m bbls	1.00	: 1.10	Metanilic, 250 m bbls	.60	:	.65
56%, le/l wks100 lb	:	6.10 .	Cresylic, 95% dark dr. NYgal		70	Mixed, sulfurie-nitrie			
70%, bbls, c/l wks100 fb	*** 3	7.20	97-99% straw, drs. wksgal		:	Drums, wks W Unit	.07		.08
70% le/l wks100 lb		7.45	97-99% pale, drs. NYgal		75	Drums, wks 8 Unit	.01		.01
80% coml. bbis. c/l wks.100 fb	1	8.19	Crude, spot, drumsgal		65	Tank cars, wks Unit	.06		.01
80% coml. le/l wks100 fb	:				00	Tank cars, wks S Unit	.008	:	.01
80% pure bbls, e/l wks.100 fb	:	9.98	Diethylharbituric, 10 h lots,			Molybdic, 85% pure 100 h keps h	1.35		1.60
80% pure le/l wks100 m		10.28	1 1b bot		: 10.50	100% C.P. 100 h kegsh	2.00		3.10
Glacial, bbls. c/l wks100 fb	:		Formic 85% tech. 140 m chys. m	.13		Monosulfonie F. Delta, 50 B		-	
Glacial, le/l wks100 fb			90%, 80 lb cbys. incl lb	.1814	: .16				
Glacial USP cby, wks100 to		11,76	Gallie, USP, 150 m bbls m		: .70	tins	***		2.25
	.75		Gamma, 225 m bbls, wks m		: 1.50	MURIATIC, 20° ebys. le/1			
Acetylsalicylie, 220 lb bblslb			(Nyeerophosphoric, 25% 1 b b. b	1.85	: 1.95	wks 100 lb	1.45		1.80
Second Hands			H 225 lb bbls wks	.73	: .75	Ctors. c/l wks100 m	1.30		1.40
Anthranille, tech., drs Ib	***		Hydriodie, 10% USP 5 m bot. m	***	: .75	Tank cars, wks100 lb	1.00		1.10
99-100%, 100 B drs B	3		Hydrobromie, 48% coml. 155 h			18°, 120 m ebys.			
Benzale, tech. 100 m bbls m	***		chys. wks	.85	: .40		1 00		
Tech. ton lots bbls	***		48% coml. 10 cbys. wks D		: .40	e/1 wks10010	1.00	:	1.10
USP, 100 m bbls	.75		40% USP 155 lb cbys. whs. lb	.45	: .46	Tank cars, wksnet ton			
Second Hands D.	.72		10% USP 100 lb cbys. wks. lb	.11	: .18	22°, 120 h cbys.			
Beric, crys. powd. 250 h bbls. h	.1214:		Hydrochloric, see also Acid Muriati			e/1 wks100 lb	1.75		3.00
Kegs, 100 b b	.12%		CP. USP. 110 m ebys m		: .11	Iron, free 20° cbrs.			
Broenner's 250 m bbls m	***					e/1 wks 100 lb			
Butyric, 60% pure 5 m bot m	.40		MYDROFLUBRIC, 80% 400 B bbb			Tank cars, whspet ton	***		
C.P. 10 lb bot	1.25		via		: .07				
Camphoric, USP, VIII 1 h bot. h	5.90 :	6.00	30% bbls. c/l wbs		: .06	Muriatic, CP & USP, see Acid Hyd	rocalori		
Carbolin, USP crys. see also Phenol		44	30% 100 B cbys. wks B			Naphthiomic, tech. 250 lb bbls. lb		3	.63
1127b tins	.31		48% single 100 lb cbys, whs. lb		: .11	Refined, single bbls			.65
25 lb tims	.33 :		48% 10 chys. wks		: .10				.00
5 m time or bot	.36 .		52% 100 b cty. wis b		: .14	Nevile & Winther's, 250 lb	'		
1B bet	.40 :	.43	1 52% 10 ebys. whs	***	: .11				

Cooper's Sulphuric Ether

For Anesthesia In Hospitals and Operating Rooms, where a powerful anesthetic is required that can be administered with confidence, COOPER'S SULPHURIC ETHER enjoys a reputation that is the result of years of infinite care in its preparation.

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FOUGERA

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Bismuth Preparations Bromides
Codeine and Salts Creosote
Creosote Carbonate Diacetylmorphine
Ether Iodides Calomel and other Mercurials
Acid Citric and Citrates Chloroform
Morphine Sulphate and other Morphine Salts
Opium Hypophosphites Phenolsulphonates
Quinine Sulphate and other Quinine Salts
Salicylates Silver Salts Strychnine

WRITE FOR CATALOG OF OUR ENTIRE LINE

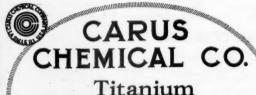
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Potassium Oxalate

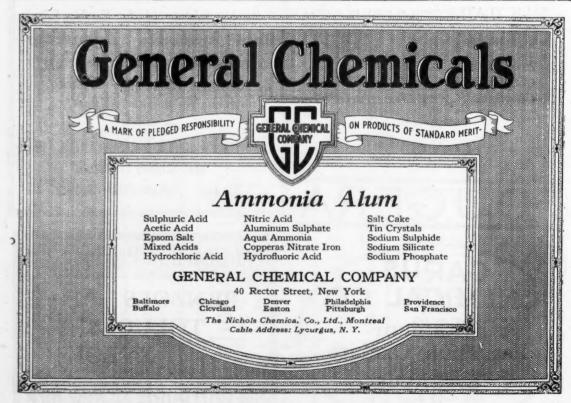
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39 Cortlandt St, New York

ACID, NITRIC, 36° 185B			ACID, Sulfurie			, ALCOHOL—(continued)
le/i chys, wiss100 fb Cbys. e/l wiss100 fb 38° le/l chys. wiss100 fb Cbys., e/l wiss100 fb 40° le/l cbys. wiss100 fb	4.50 5.25 5.00 5.75	5.75 5.25 6.00	lc/l wks 100 lb lc/l wks 100 lb Druma, c/l wks 100 lb Tank cars, wks	1.50	1.75 1.75 1.50 18.00	Isopropyl, crude 50 gal. drs. gal 2.2 Refined, 50 gal. drs. gal 4.00 : 4.5 Ref'd, 91% drs gal 3.5 Mothyl, see Alcohol, Wood
Cbys., c/l wks100 fb 42° lc/l cbys. wks100 fb Cbys., c/l wks100 fb	5.50 6.25 6.00	6.75	Oleum, 40% drs lc/l wks.net ton Oleum, 60% drs., lc/l wks. net	60.00	: 40.00 : 70.00	Propyl, nml, crd. 50 gal, drms.gal: 4.4 Refined, 16 h cansh: 7
C. P. chys, single wks100 lb	.13 :		Sulfurous, USP 6% 100 lb cbys. lb	.05	: .06	Denatured
Oxalic, 325 lb bbls, wkslb Bbls., NYlb Imp., 560 lb caskslb	.10 1/4 :	.10%	4% 100 b cbysb USP, 5 gal. demisb	.04	.05	No. 1 Complete Denat. 188 Proof 50 gal. bbls. inclgal .56 : .5
Kegs, 100 lb NY	.11		Tannie, tech. 300 h bbls h		: .35	50 gal. drums, extragal .51 : .5
Phosphoric, 50% tech. 100 h			USP, powd. 200 m bblsm	.80	: .83	No 1 Special Denat, 190 Proof
cbys	.07%:	.08	USP, fluffy, 50 lb bbls lb	.80		50 gal. bbl. inclgal .54 : .5
USP, Syrupy 85°, 70 m. demis	.12 :	.13	USP, powd, 300 lb bbls. lb			50 gal. drums, extragal .48 : .6
Imported	:		Imp. USP, 240 m bbls m	.273/2	: .28	No. 5 Complete Denat, 188 Proof
Phthalic, see Phthalic Anhydride			Powd. 240 lb bbls lb		: .281/2	50 gal. bbis, inclgal .53 : .5
fieramie, 300 m bbls m	:	.65	Tobias, 250 lb bbls	.90	: .95	50 gal, drums, extragal .47 : .4
Pierie, 450 m bbls	:	.30	Tungstic, 100 lb kegs lb Valeric, C.P., 10 lb bot lb	2.50	: 1.00 : 2.75	No 6 Complete Depat, 188 Proof
Bbls, car lots was	.20 :	.25	Aconitine Alk, cryst, 1 cm, vis. cm		: 30.00	50 gal. bbls, inclgal .53 : .5
Pyrogallic, crys. 5 lb cans lb Resublimed, 5 lb cans lb Tech, powd., 200 lb bbls lb	1.20 : 1.55 :	1.65	Amorphous, 1 os. visos Adeps Lanae, hydrous 350 lb bbls, lb		: 20.00	50 gal. drums, extragal .46 : .4 In addition to the regular author-
Salicylic, tech. 125 D bblsD	.33 :		Anhydrous, 350 lb bbls lb	.23		ized formulae for completely dena-
USP, 100 h bblsh	.33	.35	Albumen, Egg, edible		: 1.25	tured alcohol, some 75 formulae for specially denatured alcohol are au- thorized for special uses. Owing to
Sulfanilie, 250 h bbls h	.16 :	.20	ALCOHOL, USP 190 pf. 50 gal.			the limitations of their uses however.
SULFURIC, 66° 180 D cbys.			Second Hands, bbls, USP 190	4.83	: 4.91	prices are quoted by the alcohol
le/1 wkm100 lb	1.35 :		pf		:	producers only to holders of per-
Cbys., c/l wks100 lb 1500 lb Drums, le/l		1.35	Export, USP, 190 pfgal	.45	.83	mits allowing the use of specially denatured formulae in products author-
wks	:	1.25	Cologne Spirit, 50 gal. bbls.gal	4,90	: 5.00	ized by the Dept. of Internal Revenue.
Drums, c/1 wks130 m	:		W00D, see Methanol Alcohols, also in 50 gal			11.1 YOUR 100% \$2 00 - 00
Tanks cars, whsnet ton	14.00 :	15.00	drums, extra and returnable.			Aloin, USP, 100 lb cases b .86 : .9
le/1 wks100 fb	.75 :	1 00	Amyl, see Oil Fusel	-		Refined, 300 lb bbis
Drums, c/l wks100 lb		.75	Butyl, 50 gal. drums lb	.35	: .40	Alpha-Naphthol, crude 300 lb bbls. lb : .6
Tank cars, wksnet ton		10.00	Isobutyl, crude 50 gal. drums.gal			Alpha-Naphthylamine, 350 lb bbls. lb .35 : .3
C. P. 175 b cbys100 b	08 :	.09	Refined, 10 m canm	2.00	2.50	Ton lots, bbls, wks



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Glyco! Diacetate Hexachlorethane Isopropyl Chloride Isopropanol

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Paraldehyde
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Propylene Dichloride
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Telephone Vanderbilt 8700

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ALUM, Ammonia, hump 400 h bbls.	1	AMMONIA anhyd. 100 m cyl m	:	.80	AMMONIUM-(Continued)		
wks 100 lb	3.50 : 3.65	Water, 26° 800 lb drs. wks lb	:	.06%	Persulfate, 112 lb cases lb	.25	: .40
Imp., 500 fb casks100 fb	:	Drs. e/1 wks	1	.06%	Phosphate, dibasic 200 lb bbls. lb		38
Ground, 400 lb bbls, wks.100 lb	3.65 ; 3.75	C.P., chys Ib	*****	.14	Phosphate, mono, 325 lb bblslb	***	: .18
		Imp., 800 m drs.incl.spot. m	.06%:	.07	Salicylate, USP 100 m kegs m		: .80
Powd. 380 lb bbls. wks.100 lb	3.90 : 4.00	26° 100 lb cbys. le/l wks. lb	.07%:	.08%	and the second	2.70	: 2.80
Chrome 500 lb cks. wks.100 lb	5.50 : 6,00	Chys., c/l wks	.07%:	.081/4	Sulfate, bulk c/l wks100 lb 200 lb single bgs. c/l wks.100 lb	2.75	: 2.85
Potash, lump 400 lb bbls.		20°, 800 m drs. le/l wks. m	:	.05%	200 h double bgs., f.a.s.100 h	2.60	: 2.70
wks	: 4.50	Cbys., le/l wks	.06%:	.07%	Sulfocyanide, tech. 100 D kg. D	.50	: .60
Bbls. e/l wks100 lb	: 4.25	18°, 800 lb drs. le/l wkslb	:	.04%	CP, 25 m jars	.60	: .70
Cont. bbls. e/l wks100 h	: 4.25	Cbys., lc/l wks	*** :	.05%	Amyl Acetate, tech, 50 gal, drs.gal	3.50	: 3.75
Imp. 650 h cases a.p 100 h	: 3.00	16°, 800 fb drs. lc/l wksfb	:	.041/4	Refined, 50 gal. drumsgal	4.00	: 4.25
Ground, 400 m bbls, wks.100 m	4.85 : 4.60	Chys., lc/l wks	****	.051/4	Alcohol, see Fusel Oil		
Imp. 650 lb casks 100 lb	: 3.50	Ammonium Acetate, 100 lb kegs. lb	:	.37	ANILINE OIL, 900 Th dr Th	.16	: .17
Powd., 280 lb bbls, wks. 100 lb	4.50 : 4.75	Benzoate, USP, 17b bot Th	.90 :	.95	Aniline Salt 200 h bbls	.21	: .23
Chrome, 700 D cks wks. 100 D	5.50 : 6.00	Bifluoride, 300 lb bbls lb	.22 :	.23	Anthracene, 80-85%, 600 lb casks		
		100 lb kegs	.28 :	.34	wks	.75	: 1.00
Soda, grd. 400 lb bbis. wks.100 lb	: 4.00	Bromide, 50 lb boxeslb	.36 :	.87	28-30%, Impb	***	: .05
Bbls. c/1 wks100 fb	: 3.50	Imported, 112 h boxesh	.18 :	.20	Anthaquinone, subl. 125 lb bbis lb	1.00	: 1.15
Aluminum, metal, c/l NY100 lb	28.00 : 29.00	Carb., tech, 560 fb casksfb	:	.0814	30% paste 350 h bbls h	0.000	1
Chloride, anhyd. 275 lb drs lb	.20 : .22	Powd., tech. 385 lb bbls. lb	:	.09	Antimony metal, slabs ton lots100 lb Needle Powd., 100 lb cases lb	.07%	: 10.00 : .083
Crystals, 375 h bbls h	: .081/4	USP, lump, 100 lb kegs lb	.12 :	.13			, .007
30% sol. 120 h cbysh	.031/4: .04	Powd., 100 lb kegslb	:	.14 1/2	ANTIMONY CHLORIDE, anhyd 1000 I		
Hydrate 96% light 90 lb bbls. lb	.17%: .18%	Chloride, Demestic			for crocks	.45	: .48
Heavy. 62-64%, 220 h bgs h	.06 : .06 1/2	Bbls., e/l wks ID	***	.07%	Sol'n, 130 lb carboys lb		.11
400 lb bbls, wkslb	.007301	Bbls., e/l wks D	:	.07%	Oxide, 500 lb bbls	.085	
SULFATE, Iron-free bags o/l		Gray 250 lb bbls, wks lb	.08%:	.08%	Salt. dom, 500 m bblsm	.24	: .25
wks100 lb	2.25 : 2.40	Bbls., e/l wks	.08 :	.0814	Imp., NY	.19	: .20
Imported, spot100 fb	2.20 : 2.50	Imp. wh. 600 lb casks spot. lb Gray, 600 lb casks spot. lb	.07%:	.06%	Sulfuret, golden 500 lb bbls lb		: .21
Comm'l., 1/4% iron, bgs. c/l		Lump, 500 lb casks spotlb	.14 :	.15	336 D kegg	***	: .19
wks East 100 lb Cont. bgs. c/l wks. E.100 lb	1.30 : 1.35	Ichthyolate, as to brand ID			Crimson, 500 lb bbls lb		: .38
Bags, c/l wks. W100 lb	1.30		4.25 :	5.00	336 lb kegs	* * *	86
Bbls., c/l wks. East. 100 lb	: 1.50	Iedide, USP, 25 lb jarslb	:	5.20	Red, 500 lb bblslb	• • • •	: .45
Bulk, e/i cont. wks. E.100 B	:	Lactate, 500 m bbls	.15 :	.16	Tartrolactate, 500 lb bbls lb		: .45
Amidol, (see Diaminophenol)		Nitrate, tech, crys. 225 m bbls. m	:		Antipyrine, USP, 100 lb cases lb	2.15	: 2.25
Amidopyrine, Imp. 10 h boxes h	4.35 : 4.50	Refined Crystals, bbls Ib	.21 :	.23	Apomorphine Hydchlide, 1/2 cz. vls.oz		: 21.15
Domestic, 10 h boxes h	: 4.60	CP gran. 100 lb kegslb	.35 :	.37	Arecoline Hybromide, 1 oz. vialoz	6.25	: 7.82
Aminoanobennene, 110 B kegnB	: 1.15	Oxalate, pure, 100 lb kegslb					
aminomorphism, 110 m acgsm	1.10	vaniate, pure, 100 to kegs to	.40 :	.42	Argols, red powd. 350 lb bbis lb	.06%	101



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Bisulfite of Soda

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Cocaine and Salts
Colchicine Alkaloid, U. S. P.
Colchicine Salicylate
Creosote, U. S. P.
Creosote Carbonate

Cumarın Diacetylmorphine Alkaloid and Hydrochloride Digitalin Pure Duboisine Sulphate Emetine and Salts Eserine and Salts Guaiacol Liquid Guaiacol Carbonate Homatropine and Salts Hydrastine and Salts Hydrastinine Hydrochloride Hyoscine Hydrobromide Hyoscyamine and Salts Morphine and Salts Phenolphthalein

Pilocarpine and Salts
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				-		_	_	
	6 Bennidine Base, dry 250 b bbls. D		:	.80	BISMUTH-(Continued)			
	5% Bemidine Sulfate, paste 350 b				Subtodide, 5 lb lots	***	:	
White, 500 m this. NY m .101/2:		.70		.72	Subnitrate, USP, 250 h bbls h			
Asbestine	Bennol, see Bennene				Second Hands, bbls. or less. lb		:	
	Bensonaphthol, 5 lb boxes D	3.50	:	8.60	Cones, 11b bot	•••		
Atropine, Alk. USP, 1 ca. cialcs 5.00 : 5 Sulfate, 5 cs. cans		***	:	1.00	Subsalicylate, USP, 175 bbls Ib			3.10
Single ounce			:	1.75	Tannate, 1 m bot	***	•	2.60
SARIUM BINSXIDE, see Barium disgide	Benzyl Robinso, 200 m objection				shore on basis 25 b lots. Smaller lots at an advance.			
Carbonate, precip., 800 lb bbls.	Alcohol, 51b bot1b	1.45		1.55	Blane Fire, dry 400 h bbls, wks.ton	-		-
wks			:		Imported, bblsten			T3.00
Precip., 200 h 145., wiston 68.00 : 70 Imports, bbls., spotton 66.00 : 67			:	.25	Paste, 650 lb bblston		-	55.00
Chloride, 800 lb bbls, wkston : 90.			:	-30	BLEACHING POWDER, 700 D drs.	50.00	•	00.00
200 lb bgs. wisston : 85	00 2002 000			:45	c/1 wks100 fb		:	1.90
Import, bbls., spotton: 90	Formate, 1 lb bot		:	3.25	Drums lc/l ex-warehouse100 h	2,85	:	2.60
			- 7		Contract, e/l wks100 fb	1.90	:	
	Berberine Hydehlide, 1 h bot h		-	22.50	Drums, lc/l wks100 b			2.30
Hydrate, 500 lb bblslb	Sulfate, acid or neut. 1 b bet. b		:	22.00	Imported, spot100 ib		:	0.03
	O ETA-NAPHTHOL, 350 To bbls, with Th		:	.26	Blue Ointment, see Mercury			
	8% Carlots, wks	.24	:	.25	Mass, see Mercury			
	Sublimed			.60	Bone Ash, 100 th kegs	.08		.07
Barytes, floated 350 h bblston 33.50 : 35			•		Borax. USP. crys. 400 lb bbls. lb	.05%		.06
Sar Rum. Porto Rican, genuine	Reta-Naphthylamine, tech. 200 lb	.65		.67	Powdered, USP, 300 lb lblslb	.05%		.06
Medicated salicy, acid or tartar emetic	Sublimed, 200 D bols D			1.35	Kegs, USP, 100-150 m m	.06		.06%
45 gal. bblsgal 1.35 : 1	Bichloride Mercury, see Mercury Bich		•	1.00	Bordeaux Mixture, 16% pd. bbls. Ib	.12	:	.16
Medicated quinine sulf. 45 gal. bbls				2.50	Paste, bbls	.08	:	.10
Domestic synthetic, 50 sal.	aromorn metal, 100 m cases m		-	2.42	Borneol. 1 lb bot		:	3.50
bbls	Second Hands		:	2.60	Bromide, see potass, bromide, etc.			
St. Thomas	Ammon. Citrate, USP 5 lb bus. lb			5.85	Bromine, bot, in 60 to cs. wks. to			.29
Medicated salicy, acid or tartar	Betanaphtholate, 5 lb brslb		:	3.30	Bromobenzene, 600 lb drums lb	.40		.42
emetic, 50 gal. bblsgal 1.35 : 1.	Citrate, USP 5 lb bxslb		:	3.00		-		1.65
win	Nitrate, 25 lb jars		:	2.00	Brucine Sulfate, 100 ozsos		:	.25
USP, 40 h cbys h 1.50 : 1				3.50	Butter of Antimony, see Antimony Ch		•	.20
FFC, 40 m cbys m 1.60 : 1	5 Phenoisulfonate, 5 D cans D			3.30				
SENZENE, 90% 8000 gal. tanks	Salicylate, 250 bbls		:	1.95	CADMIUM, metal 100 m bxs m		-	1.00
	Subcarbonate, USP, 250 bblsb		:	3.40	Bromide, 50 lb cases jars lb		-	
	X-Ray diag. 1 m bot m		:	3.93	Iodide, 10 lb bot			
	Subgallate, USP, 175 lb bbls lb		:	2.80	Sulfide, cs	1.50	:	1.60
110 pm um	, , , , , , , , , , , , , , , , , , , ,							



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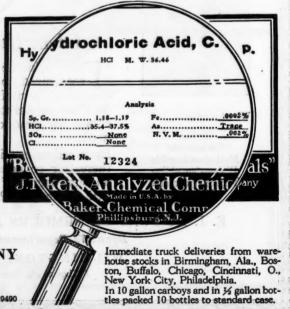
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CAFFEINE ALK, USP 570 cans To	3.65	: 3.75	CAMPHOR, Amer. ref: 250 m			Chalk, drop 175 b bbls b	- ***	
Second Hands	3.60	: 3.70	bbls	***		Precip. light 250 lb cskslb Precip. heavy 560 lb cskslb	.04 1/4	
Hydrochloride, 1 lb bot lb	6.05	: 6.55	2½ lb slabs, 100 lb cslb	***	.891/4	Bulkton	5.00	
Sulfate. I D bot D	5.40	: 5.90	or tab 1 m etns.	***	. '0a.A	Precip, English, 7 m bags m		: .0734
Citrated, 25 b carsb	2.90	: 3.10	100 fb es		.934	Charcoal, Bone, see bone black		
Hydrobromide, 1 m bot m	4.65	: 4.90	1/2 ou, tab., 1 lb ctrs.		,	Wood, powd. 100 m bbl m	.04	: .05
			100 m cs		: .94	Willow, powd. 100 h bblh	.06	10.
GALGIUM Acetate, 150 h bgs, e/l		: 3.00	Jap. ref., 21/2 lb slabs. 100 lb			China Clay, Dom., erudeton Washed & Groundton	10.00	: 8.00 : 20.00
100 b	***		CS	.75	.77	Imp., Filler Clayton		: 18.00
Arsenate, 100 lb bbis. c/l wks. lb	.11		1 os. tab., 100 m es. 1 m.		. 0.	Coatington		: 40.00
Bromide, 190 h b			tins		: .97	Chloral Hydrate, USP 100 h drs. h	.10	: .75
Carbide, 220 b dr. c/l wig lb			% cs. tab., 100 m cs., 1 m		: 1.00	25 lb jars	.78	: .80
Drums, le/1 wis	***	: .05	Chipese ref. 2 % D slabs 100 D	• • • •	. 1.00	Chinoidin, 140 lb drs	***	: .55
Carbonate, tech. 100 lb bags	1 00	: 1.10	Cambes tel. 275 B and 100 B			Chloramine-T, 5 lb bot	1.35	2.50
		: .04	Crude, 100 fb cs fb		: .60	Chlorosane, 5 m bet	.55	: .15
USP, precip. 175 b bblsb	***	09	Camphor, Monobrom, 100 lb es lb		1.85	drs	.75	: .85
Chloride, solid, 650 lb drs. c/l		: 24.50	Caramel, 50 gal. bblsgal		62	40% soln. 100 h ebys h	.25	: .30
Imp. shipmentton			Carbazol, 250 lb bbls			CHLORINE, Liquid 2000 b eyl.		: .041/4
Gran. 350 lb drs. e/l f.o.b.			Carbon Bisulfide, 500 D drs. le/l NY lb		: .06%	Tank car lots, wks. Contract Ib		04 1/4
NYton		: 30.50	e/l drums, NY		.06	100 lb cyl. c/l	***	: .051/4
Flake 330 fb drs. c/l drs. f.o.b.			Carbon Black, 121/2 7b bags 7b	.12	.15	100 m cyl, lc/l wks	.061/2	
NTton		. 80.50	Carbon Dioxide, Liquid, 20-25eyl. Ib			100 lb cyl. lc/l ex-warehouse lb	.08	: .09
Anhrd., 350 h drs. f.o.b. NY. fb	.13	.20	Carbon Tetrachloride, 1400 lb drs.	•••	00	Chlorobenzene, mono. 1000 lb drs.	.10	: .11
Glycerophosphate, 250 lb bbls lb	1.50	: 1 60	NY	.0816	091/4	Drs. c/1 wks	.08	: .08%
Hydrate, (see Lime)			Drums, e/l NY	.08		Tank car lots wks		: .08
Hypophosphite, USP, 25 h cans h	.60	: .65	700 m drs. single NY m	.0834		CHLOROFORM, USP 50 m drs Ib	***	: .35
Iodide, 5 lb botlb			Carmine, No. 40 5 h boxes h	4.75	4.85	Second Hands, 650 lb drslb Technical, 650 lb drumslb	.32	: .33
			Casein, edib., 100 lb keg lb	.40	: .45	Chlorophyll, Oil Sol	2.50	: 2.75
U.S.P	.50	: .131/2	Technical, 200 m bbls m	.10%	12	Water Sol 10		: 4.00
Nitrate, 220 D bbls, c/l NY.ton			Castoreum, 1 lb boxes	4.00		Chromium Acetate, 20° soln. 400 h		
Phosphate, tech. 350 lb bbls. lb	.09		Castor Oil, USP 50 gal. bbls ib		.16	Fluoride, Powd, 400 fb bblsfb	.08	: .10
Phosphate, precip. tribade 200	.00	: ,10	Cases, 80 lb 2 tins lb	***	: .17	Soln. 400 lb bblslb		
D bbls, wks		: .14	Caustle Potash, see potash, eaustle			Sulfate, 400 h bbls	.07	: .09
Phosphate, mono, 325 b bbls. b	.07		Soda, see soda, caustic			Chrysarobin, USP, 5 lb canslb	***	: 4.00
Sulfocarbolate, 100 h kegs h	.55		Cellulose Acetate, 100 D cases In	1.75	2.00	Cinchonidin alk., pwd. 100 on, tinson Crystal	***	: .65
Calomel, see Mercury		-	Cerium Oxalate, USP 100 h kegs. ID		.38	Sulfate, 100os, tinecs		: .40



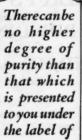
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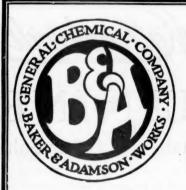
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	:		COPPER, metal electrolytic c/l	10 70	10.051/	Diethyl Sulfate tech. 50gal. drs. D	.20	: .25	
Crystal			NY	13.65 :	13.67%	CP drums	.40		
Sulfate, 100 cm. tinscm	:	.35	Casting, c/l NY100 lb	10.00				: 10.25	
Citrine Ointment, see Mercury			Carbonate, 400 lb bbls lb	.1636:		Dimethylaniline, 840 m drs. wks. m	.37	: .39	
Coal Tar, Tks. & bbls., wksgal .	06 :	.08	Chloride, 250 lb bbl	1		Dimethylsulfate, 100 h drs h		: .50	
Cobalt metal, 100 h kegs h	:	3.00	Cyanide, 100 h drs	.45 :		Dinitrobenzene, 400 lb bbls lb	.16	: .17	
	:		Iodide, 5 lb bot	.17		Dinitrochlorobenzene, 400 lb bbls. lb	.18	: .19	
		2.45	Sub-Acetate, verd, 440 lb bbls, lb	.23		Dinitronaphthalene, 350 m bbls. m	.32	: .34	
						Dinitrophenol, 350 m bbls m		: .40	
		10.00	SULFATE, crys. 450 m bbls. le/l	4.95 :	5.00	Dinitrotoluene, 300 b bbls b	.18		
Hydrochloride, USP-1 . vials,		T.OT	Cariots, bbls,f.o.b, NY, 100 lb		4.95	Dionin, see Morphine, Ethyl			
		7.50	Carlots, bbls, delivered. 100 lb	5.10 :		Diphenylamine, 250 m bbls m	.48		
In crystals, granular, powder,		1.00	Imp. 550 lb csks100 lb	4.40 :					
or flaky crystals as desired.			Powdered, 350 lb 5 bblslb	:				: 1.15	
Cocoa Butter, bulk, 200 lb bales, lb		.261/4	Copperas, bulk 6/1 wkston		16.00	Dover's Powder, USP 5 10 tins 10			
		.35	200 lb bgs, c/l wkston 400 lb bbls. c/l wkston	:		Duboisine Sulfate, 1 oz. vialos		: 30.07	
	0 .	.00	Powdered, bbls100 lb	:		EARTH, Diatomaceous, see Kieselguhr			
CODEINE alk., 1 on vis. 10 on.		9.37	Sugar, 400 m bbls100 m	:		Emetine alk., 15 gr. vlsea		: 1.30	
			Corn Syrup, 42 deg. 50 gal.			Hydchlide, USP 1 oz, vialoz 1			
Hydrobromide, 1 cs. vis, 10 cs.		T.43	bbls	:		15 gr. viais			
Hydrochloride, 1 ca. vis. 10 ca.	• • •		43 deg. 50 gal, bbls100 fb 44 deg. 50 gal, bbls100 fb			EPSOM SALT, tech. 300 D bbla.			
		8.27	45 deg. 50 gal, bbls100 lb	:				: 2.15	
		8.27	Corrosive Sublimate, see Mercury Richl		0.10	Bbls. c/1 NY			
Phosphate, 1 on, vis. 10 on.	•• •	0.21	Cotton Soluble, 100 m bbls, wet. m	.40 :	.42			: 1.80	
		6.97	Coumarin, 25 h tins	8.85 :		Imp., 220 lb bgs. c/l NY			
Salicylate, 1 cm. viz. 10 cm.	•• •		Second Hands	3.80 ;	3.95				
		6.97	CREAM TARTAR, UEP, 300 B				2,10		
Sulfate, 1 os. vis. 10 oz. lots.os .			bbls	.21%:	.22	Imported, 400 lb bbls100 lb		: 2.25	
		1.42	Imp. powd. USP, 224 bbls Ib		21 1/5	100 lb kegs100 lb		: 2.50	
Small Sixes, 1/2 on vials, 50e ext			Creosote, USP, 42 lb cbys lb	.45 :	.50		8.00		
14 oz. 30c extra, singles 7c ex per os.—25 os. lots, 10c os. obes			Carbonate, 1 lb bot. 25 lb lb	1.70 :				: 34.0T	
than above. Less than 10 cm. 15c			Crececte Oil, 50 gal. drsgal	.20 :				: 16.07	
higher than above.			Cresol, USP, 400 lb drumslb	.23 :		and the second s		: 11.07	
COD LIVER OIL. Norwegian, 30 gal.			Cyanamide, bulk c/l wks, Amm.unit	:		ETHER, USP 55 m drums m			
bblsbbl, 24.	KO .	95.50	DIAMINOPHENOL, 100 to kegs To	:		Anaesthesia, 55 lb drumslb	• • •		
W-4 W-1 00 -1 111- 111			Dianisidine, 100 lb kegslb	4.00 :					
			Dichlorobenzene, 1000 lb drs lb Diethylaniline, 850 lb drs lb	.06 :	.07	Motor, 1 m cans	.24		
		15.07			.55		.92		
	: :		Diethyl Phthalate, 25 lb cans. lb	.50 :	.45		.92		
			1 1000 M M 1111111111111111111111111111		.10	I aready areas and a second marks		- 4.00	



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Ethyl Acetate, 99%, 50 gal. drs.gal	1.15	: 1.18	Gelatin, USP silver lbl. 100 m cs. m	.85 :	.90	Hydrastinine Hydchlide, USP 15 gr.		
85-90% Ester, 50 gal. drs.gal	, ***	: 1.03	Gold Label, 100 h cases h	*** 1	***	vials		: 1.60
Carlots, drumsgal Tanks Carsgal	***	: 1.00	Technical, 100 B cs B	.60 :	.65	Hydrazobenzene 100 lb kegs lb	1.30	: 1.35
Refined, drumsgal	1.77	: 1.90	GLAUBER'S SALT, tech. 200 h bags		1.05	HYDROGEN PEROXIDE, 25vol. 400 D		
Bromide 115 b drs		: .40	le/l wks100 lb 350 lb bbs. c/l wks 100 lb	1.15 :	1.25	bbls	***	: .10
Chloride, 15 lb cyl		: .35	Bbls. le/l wks	1.50 :	2.00	100 vol. 145 m cbys m	.36	: .38
Methyl Ketone, 50 gal, drums. To	.25	: .2534	Imported, bbls, spot100 fb	.95 :	1.00	USP Soln. 375 lb bblslb	.05	: .48
Morphine, see Morphine, Ethyl		/2	USP, 300 m bbls, Imp. sp. 100 m	:	1.35	USP bot. 4 oz. casesgross	8,00	: 8.25
Ethylene Bromide, 600 lb drs lb		: .60	USP, 300 lb bbls. dom. sp.100 lb	:	1.75	Bot. 8 on cases gross		: 12.00
diyeol	.65	: 1.00	USP, 300 m bbls. c/l wks.100 m	:	1.40	Bot. 16 on. casesgross		: 20.00
Chlorhydrin, anhyd. 50 gal drs. Ib		: .85	Calcined, see Sodium Sulfate			Hydroquinone, 100 lb kegs lb	1.40	: 1.60
40% Solution, 50 gal, bbls. Ib		: .30	Glucose, (Grape Sugar) dry, 100			Hyoscine Hydrobrom, USP 1 ox.		
Dichleride, 50 gal. drs Ib	.20	: .25	70° bags, c/l NY100 lb	3.59 :	3.94	vial0z		: 9.57
Ethylideneaniline		: .70	Syrup, Drs. & bbls, c/l NY100 lb	3.36 :	3.61	Five ozs., 1 oz. vialsoz		: 9.00
Eucalyptol, 25 lb cans	.82	: .85	le/1 NY100 m	3.46 :	3.71	Hyoscyamine Alk. Cryst., 1 cz. vial.oz		: 20.07
Feldspar, bulkton	20.00	: 25.00	GLUE, pure white, bbls	.25 :	.30	Alkaloid, Amorphous, 1 oz. vial.oz		: 75.07
FERRIC CHLORIDE, tech, crys.			Medium white, bbls	.15 :	.23	Hydrobromide, USP 1 oz. vialoz	***	: 25.07
475 lb bbls lb		: .07	French, bbls	.18 :		Sulfate, 1 oz. vialoz	***	: 20.07
Imported	***	: .06%	Bone, regular, bbls	.35 :	.12	INDOL, C. P., 1 oz. botoz	6.00	: 6.50
USP, crys. 100 lb kegslb		: .08	Fish, bbls.	1.50 :	1.75	Iodides, see Potass. Iodide, etc.		
Imported			GLYCERIN, C. P. 550 To drums, To	.16%:	.171/4	IODINE, crude, 200 lb kegslb		: 3.79
Neut. Sol'n 40° 140 h cbys h	***		Cans. 50 lb	.1814:	.19	Resublimed, 10 m jars m	***	: 4.40
48°, 140 obys		: .08	Dynamite, 100 lb drs lb	.1614:	.161/2	Tincture, USP, 50 gal. bbls. gal		: 4.25
USP Sol'n 125 h cbysh		0079	Saponification, tanks Th	.12 :		Carboys Ib	4,30	: 4.40
475 lb bblslb	.06	: .0634	Soap, Lye tanks	.11 :	.11%	Iodoform, powd. 10 lb bot lb Crystals, 10 lb bot lb	***	: 5.25
Ferrous Sulfide, 1000 D bbis. 100 D		: 3.00	Goa Powder, see chrysarobin			Iridium, metal 10cs lotscs	***	: 6.25 :250.00
Flake White, see lead, white	2.00	. 0.00	Graphite, crude 220 lb hagston	15.00 :	35.00	Iron, metal by hydrogen 1 m bot. m	.80	: 1.00
Fluorspar, 95% 220 b bgs, ex-			Flake, 500 lb bbls	.05 :		IRON & AMM. CITRATE, USP 25 D	100	. 2.00
dockton		: 25.00	Ground, lump, bbls	.04 :	.05	cans		: .79
96% bgton		: 33.50	Guaiacol liquid, USP, 25 lb cans. lb	2.35 :	2.45	Green scales, 25 lb cans lb		: .79
98% beston		: 35.00	Benzoate, 1 lb bot	:	18,00	Cacodylate, 10 m bot m	6.50	: 6.75
FORMALDEHYDE, USP 400 m bbls.			Carbonate. 5 lb boxes lb	4.60 :	4.75	Citrate, USP VIII 25 lb cans lb	.99	: 1.01
c/1 wks		: .10%	Second Hands	3.60 :	3.75	Chloride, see ferrie or ferrous		
Carboys, 100 lb le/l wks lb	.113		HAARLEM OIL, Dom. 6 gr. cs.gross	:	3.50	Hypophosphite, 5 lb cans lb	1.50	: 1.60
Bbls., 400 lb lc/l wis lb	.11	: .11%	Imported, 5 gr. casesgross Halazone, 5 lb botlb	4.65 :	5.00	Syrup, USP VIII		: .80
Second Hands	***		Hexamethylenetetramine, USP	2.75 :	3.25	Iodide, 1th bot	***	: 4.28
Fossil Flour		: .04	100 m drums m	PF .		Syrup, USP, 5 m botmb	.35	: .36
Formaniline	***	: .50	Imported	.75 :		Nitrate, kegs		: 3.25
Fuller's Earth, 200 b bgs. c/l			Rubber Makers, Impalp. Pd.	.01 .	.00	Oxalate scales 25 lb cans lb		: 3.25
mineston	15.00	: 17.00	drs	.8214:	.85	Oxide red, Spanish	.033	
Imported, 230 lb begs NYton		: 40.00	Homatropine Hydrobrom, USP 1 cm.	1010/21	.00	& Ammon. Oxalate 25 lb bxs. lb		: .45
Furfural, 300 m bbls	.25	: .80	vial02	:	14.57	& Potamium Oxalate, 25 lb bra, lb	.45	
Fusel Oil, refined, 50 gal. drm. gal	4.25	: 4.50	Five ozs., 1 oz. vialsoz	:	13.50	& Sodium Oxalate, 25 lb bxs lb	.41	
Crude, 50 gal. drumgal	2.50	: 3.00	Hydrastine Alk., USP, 1 oz. vial.o	14.00	:14.57	Phosphate, USP 25 lb cans lb	.19	
G SALT, paste 350 m bbls. basis			Hydchlide, USP, 1 oz. vialoz		14.57	Pyrophosphate, USP 25 lb		
100%	.60	: .65	Sulfate, 1 oz. vial	:	16.07	cans	.84	: .86

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JALAP RESIN, Jump 510 tins10	3.25	: 3.35	Linalcol, 51b bot	.00 Manganese—(continued)
Powd. tins	3.40	: 3.50	Litharge, see lead oxide	
Kapoc, 160 h double bales h	.28	: .30	Lithium Carb. USP, 100 h kgs h 1.50 : 1.6	Glycerophosphate, 5 lb tins lb : 3.10
KIESELGUHR, 95 to bags NY ton	60.00	: 70.00	Bromide, 100 m cs b 1.75 ; 1.8	Rypopules. USF VIII 5 to came. to : 1.40
LANGLIN, see Adens Lanne			Citrate, USP, 100 h kegs h 1.70 : 1.7	
	0.00		Iodide, 5 lb bot lb : 7.6	
Acetate, white crystals 500 lb	8.00	: 8.25	Lithopone, 400 fb bbis, lc/l wks. fb : .(716 Sulfate, 600 Ib casks NY Ib .09 : .10
bbls. wks Ib		: .141/2		6 % I
100 to 250 m kgs, wks, m	***	: .15	Bags, c/1 wks	8% Marble Flour, bulkton 10.00 : 12.00
White, broken, bbls, wks, 100 lb		: 13.90		6 See also Calcium Carbonate
White, gran., bbls., wks. 100 lb		: 14.15	Litmus Cubes 10 .50 : 1.0	0
White, powd., bbls, wks. 100 lb		: 15.25	MAGNESITE, crudeton : 15.0	MENTHOL, USP, 60 m casesm : 14.25
Kegs, wks		: .15%	Calcined, 500 lb bblston : 55.0	
Brown, bruken, bbls, wks ID	***	: .131/2	Magnesium mtl., sticks 100 lb cs. lb 1.25 : 1.3	
USP, 100 lb kegs		: .161/2		8 1/2 Less Flanks 5th ture th 97
Arsenate, 100 h bbls. lc/1 wks. h	.21	: .26		0 1/2 Bichloride, cryst. 25 lb brs lb : 1.08
Bbls. c/l wksb	.19	: .20	USP, 60 lb bblslb .12 : .1 USP, blocks 100 lb cs. 1, 2, 4	Gran, powd., 200 lb kegs. lb : 1.08
Paste, 600 lb bbls	.11	: .16		3 Bisulfate, 25 lb boxes lb : .86
Iodide, USP VIII 5 m bot m	3.20	: 3.40	Chloride, fused 575 D drs. c/l	
Nitrate, 500 b bbis. wks b Oxide, lithge, 500 b bbis b	***	: .13	vks	Blue Mass, 25 lb boxes lb : .63
100 lb kegs, wkslb		: .111/2	Flaked, 350 m drs. wks e/l.ton : 36.0	O FOWDERED. 2010 OCACS
Oxide, red 500 lb bbls, wkslb	***	: .12	Imp., fused 900 h bbls NY.ton 26.00 : 38.0	Blue Ointment, USP 25 m cans
100 lb kegs wks	***		Fluorilicate, crystals 400 m bbls.	50% D : .17
Peroxide, 100 m drs m	.25	: .30	via	5 USP, dilute 25 lb cans 30%. lb : .57
White, basic carb. 500 lb bbls.				74 33 1/3% Mercury ib : .67
wks 10		: .101/4		Calomel, 50 lb bxs
Bbis c/l wks		: .1014		Citrino Cintment 95th fam th
100 lb legs wks		: .15	Glycerophosphate, 5 lb tins lb : 3.4	7 TABLE OK S. 4m B 4.00
White, sulfate 500 lb lbls. wks. lb		: .09%	Hypophosphite, 5 lb canslb : 1.0	5 Red. USP 25 lb jars lb : 4.10
Pbls c/l wks		: .09%	Oxide, USP light 100 m bbls m : .4	2 Yellow, USP VIII 25 m jars. m : 4.00
Licorice Ext. Mass, cases Ib	.25	: .26	USP, heavy 250 m bblsm :	
Compound powder, bbls ib		: .13	Peroxide, 51b cams	0 Powder, USP 25 m bms b : 1.48
Powdered		: .40	Perborate, 1 lb tins lb : 2.6	10000, 000 200 020
Sticks, 1 oz. 100 lb cases lb	.45	: .50		
LIME (Salts, see Calcium Salts)			Salicylate, 100 lb kegs lb : .?	
Live, 325 lb bbls. ton lots, wks. lb			Sulfate, see Epsom Salts	With chalk, USP 25 lb bxs b : .62
Single bbl. wks	• • • •	: .01%	Manganese Chloride, 600 D csk.	Meta-Nitraniline D .78 : .80
wks		: .01%	Borate, 30%, 200 b bbls b : .:	Mate Miles many Majuridine 900 %
Single bbl. wks		: .01%	100 lb kegs	
Oyster Shell, 150 m bbl. single. m	***	: .031/2		Meta-Phenylenediamine, 300 D
125 m bag m Sulfur, dry 200 m drs. NY m		: .031/4	Dioxide, 80-84% 900 m bbls.	141- W 00 - 05
Drs. e/1 NY	.08	: .10	NY	name a cons
33° Soln. 50 gal. bbls, NY.gal	.15	: .16 1/2	Hydrated, precip, 100 fb kgs. fb .15 : .2	
oo bonn oo gar, bons, 141 . gar	.13	10	mydratod, precip, reom kgs. m .15 : .2	U 1

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METHANGL (Wood Alcohol)			, NAPHTHA, Solvent, 110 gal. drs.			. Ozgall. USP. 5 m bot	2.00	:	3,00
95%, tanksgal		: .85	wksgal	.30	: .31	Purified, 5 lb bot	1.50	:	2.50
Drums, c/lgal		: .87	8000 gal, tank cars why. gal		: .26	Crude, 570 bot	.80	:	
Drums le/lgal	.88	: .90	NAPHTHALENE, Flake, 175 D bbls.			PALLADIUM, metal 10 cm. lotson	75.00		16.00
97% tanksgal		: .88	wks 10		: .08%	Paperestin, USP 510 bot10	1.25		1.40
Drums, c/lgal		: .90	Bbls. c/l wks	.06					
Drume, le/1gal		: .98	Bbls., second hands NT fb	.0634		Papain, 10 h bot. USP, Powdh	2.00	:	
Pure, Acetone free, thsgal		: .90	Balls, 250 m bbls, wis m			Crude, 150 lb cases	1.80	:	1.85
Drums, e/lgal	***	: .92	Bbls., e/l wits	.OT		Paraffin, ref'd 200 lb cs. slabs			
Drums, lo/1gal	***	: .95	Bbls., second hands NY Ib			123-127 Deg. M. P	.05	%:	.06
Bbls. incl. 5c higher		: .90	Crushed, chipped, bgs., wks ib	.05%		128-132 Deg. M. P	.051	4:	.063
Methyl Acetone, 100 gal. drums.gal			Crude, imp., bags 10	.02%		133-137 Deg. M. P	.061	16:	.07
Tanks, carsgal			Nickel Metal, electrolytic 100 m			138-140 Deg. M. P D	.07	4:	.07
Chloride, 90 h cyl	***	: .50	kogsb		: .30	Para-Aminoacetanilid, 100 m			
Salicylate, USP, 50 m cases m		. 45	Ingot, 100 h kegsh		: .32	kegs	1.10	:	1.15
Second Hands, cases Ib	.45	: .46	Salt, single 400 lb bbls, NY. lb	.11	: .12	Para-Aminophenol, 100 h kem Ib	1.16	:	1.85
Methylene Blue, tech. 100 lb kgs, lb	1.00	: 1.50	Double, 400 lb bbls, NY lb		: .11	Hydrochloride, 100 lb keglb	1.45	:	
USP, medicinal 5 to cans ib	2.10	: 2.25	Oxide, 100 lb kegs NY lb	.40	.42		1.40		1,00
Michler's Ketone, 225 lb bbls. lb	2.10	: 3.75	Sulfate, 450 m bbls		: .07	Para-Dichlorbemene, 150 m bbls.			
Milk, powd. 150 m bbls m	.14	: .15	Nicotine, 8 h tims	1.60	: 1.80	wks	.17		
Milk Sugar, see sugar of milk			Sulfate, 10 lb tins, 40% lb	1.15	: 1.30	25-50 lb kegslb	.18	:	.22
Mineral Oil, see oil mineral			Nitre Cake, bulk wkston		: 6.00	Paraldehyde, 100 gal. drs ID		:	.48
Mineral Rubberton	22 00	- 54 00	500 m bblston	13.00	: 14.00	Paraformaldehyde, USP 100 B cs. B		:	.50
Monochlorobenzena, see chlorobenzene	00.00	. 04.00	Nitrobenzene, crude, 1000 lb drs.			Para-Nitroacetanilid, 300 m		•	
Moncethylandline, 900 D dra D		: 1.00	wks lb	.09		bbis	.55		.60
Monomethyl paramidophenol sulfate			Redistilled, 1000 h drs. wks. h	.09 1/4		PARA-NITROANILINE, 300 D bbls.			
100 D drs D	3.95	. 4.20	Nitronaphthalene, 550 lb bhls lb	.20	: .21	wks. top	.68		.73
MORPHINE Sulfate, USP 5 on. time	0.00		Nitrotoluene, mixed 1000 lb drs.				.00		.10
10 OE		: 6.95	wks,	.14	: .15	Para-Nitrochlorobenzene, 1200 m drs.			
Acetate, 5 on time 10 on lots, son			Ochro		.031/2	wiss	.20	:	.30
Hydrobromide, 5 cs. tins 10 cs.			Cil Fusel, see Fusel Oil			Para-Nitro-ortho-Toluidine, 300 D			
lots		: 6.95	OIL MINERAL, wh. 50 gal, bbls.gal	1.00	: 1.25	bbls	2.75	:	2.85
Hydehlide, 5 on, tine 10 on.			Oil Mirbane, see nitrobensene			Para-Nitrophenol, 185 m bbis m	.70		.75
lots		: 6.95	Opium, see crude drugs			Para-Nitrosodimethylaniline, 120 h	***		
Diacetyl Alk., 1/2 on. vls. 10			Grange Mineral, 800 h casks NY. h		.15%	bbls			.95
OBOS		: 10.75	500 m bbls. NY		: .16	Para-Nitrotoluene, 350 lb bbls lb		:	.47
Hydehlide, 1/4 os. vls. 10 os.os		: 9.75	Ortho-Aminophenol, 50 m kegs m	2.40	2.50	Para-oxy Benzaldehyde, 100 lb		-	
Ethyl Hydchlide, 1/2 oz. vis. 10			Ortho-Anisidine, 100 lb drs lb		3.00	kegs	1.50		1.60
GE		: 10.95	Ortho-Dichlorobenzene, 1000 h drs.			Para-Phenetidin, 500 D drs D	1.55	:	1.80
Small Sizes: 1/2 oz. vials, 50c	extra;		wks	.06	: .08	Para-Phenylenediamine, 350 lb			
14s 25c extra; single on vis.,			Ortho-Nitrochlorobenzene, 1200 Ib			bbls	1.35	:	1,40
tra, over price for 5 oz. tins. 1	25 oz.		drs. wks		40	Para-Toluene-Sulfonamide, 175 lb			
lots in 5 oz. tins, 10c oz. lower			Ortho-Nitrophenol, 350 m 3 bbls. m		. 1 25	bbls	.40		.41
above schedule. Less than 10 or			Ortho-Nitrotoluene, 1000 lb drs.			Para-Toluene-Sulfonchloride, 410 b			
15c oz. higher than above sched			wha	.10	: .11	bbls, wks	.13		.30
fusk Ambrette, 1 h cams h	15 00	: 17.00	Ortho-Toluidine, 350 b bbls To	.13	: .15	Para-Toluidine, 350 lb bbls, wks. lb	80		85

NITRATE SODA

DOUBLE REFINED CRYSTALS GRANULATED OR POWDERED



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DENATURED ALCOHOL

SPOT STOCKS CARRIED

INDUSTRIAL CHEMICAL CO.

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NEW YORK

PARIS GREEN		Piperazine Hydrate, 1 lb bot lb	: 16.00	POTASSIUM-(Continued)		
Arsenic Basis, 500 lb kegslb	.30 : .32	Piperidine, 25 ozoz	1.10 : 1.25	Chlorate, crys. 112 b kgs. e/l		
Kegs, 100 lb a	.32 : .33			wks 1b	.08%:	.089
Kits, 56, 28, 14 lbs	.34 : .35	Pitch, Coal-Tar, wkston	30.00 : 33.00	Imp. 112 m kegs NY m	:	.08
Packages, 5 and 2 lbslb Packages, 1 lb, 1/4, 1/4 lblb	.36 : .37	Plaster Paris, tech 250 m bbls.bbl	: 3.30	Powd., 112 h kegs wksh	.08%:	.09
	.0010	True Dental, 300 bblsb	bl : 4.50	Imp., kegs NY	.07	.073
aris White, see whiting, French		Platinum, metal soft 10 cz. lotsoz	:118.00	Pyrotechnic, fine powd, NY Ib	:	.083
epsin, USP 5 lb bot	2.25 : 2.50	Podophyllin, 5 lb bot	6.00 : 6.25	USP, fine crys. 110 b kegs		
ETROLATUM, green 300 lb bbls. lb	.021/4: .03			NY	.08 :	.09
Dark Amber, 300 b bbls b	.031/4: .04	Second Hands	5.95 : 6.00	Citrate, USP 10 D cams D	.63 :	.66
Light Amber, 300 h bblsh	.04 1/2: .05	POTASH, CAUSTIC, solid 88-92%		Cyanide 110 h cases h	:	.65
Cream White, USP 300 lb bbls. lb	.07 : .071/4	700 lb drs. wkslb	: .071/2	Glycerophosphate, 75% Soin, 25 h	*** *	.00
Lily White, USP, 300 lb bbls. lb Snow White, USP, 300 lb bbls. lb	.09 : .0914	Imp., 88-92% 700 lb drz. NY. lb	.06%: .07	tins	1.60 ;	1.70
The state of the s	.121/2: .13	USP, by alcohol 5 lb cans lb	.46 : .48 .30 : .35	Guaiacol Sulfonato, 5 m cans,	2.00	4.10
henol, see also acid carbolic American makers, drums wks Ib		cases	.0000	10 lb	2.00 :	2.25
Open market, drs	.28 : .29	POTASSIUM Acetate, USP, 100 lb	.29 : .30	Hypophosphite, 10 lb cans lb	.80 :	.85
240 lb des drs. wkslb				Iodide, USP, 100 lb caseslb	3.60 :	3.65
Natural, 240 lb des drs. wks lb		Bicarbonate, crys. 220 lb bbls. lb	: .13	Second Hands, cases Ib	3.50 :	3.60
	:	Bichromate, crys. 900 lb casks. lb	.09%: .09%	Lactophosphate, 4oz botoz		.90
Imported, 336 h des drsh	:	Powd., 900 lb casks wkslb			:	
henolphthalein, USP, 100 fb drs. fb	1.40 : 1.50	Binoxalate, 300 h bblsh	.25 : .28	Metabisulfite, 300 fb bblsfb	.18 :	.20
5 lb cans, 100 lb lotslb	1.50 : 1.60	Import, 112 lb keglb	: .1,8		.10 ;	.12
henyl-Alpha-Naphthylamine 100 lb		Bisulfate, C.P., 5 D cams D	: .80	Muriate, 80%, 200 lb bags, NY K ₂ 0 unit		.68
kegslb	:	100 lb kegs	: .22	Nitrate, see Saltpetre	*** :	.00
henylethylalcohol, 1 h both	6.75 : 8.75	Bromate, 100 lb cs	: .45	Oxalate, neutral, 100 lb kegs lb	.35 :	.40
Imported	7.75 : 9.75	BROMIDE, USP, cryst, 450 lb		Perchlorate, 112 lb kegslb		
hosgene, 100 lb cylinders lb	: 1.00	bbls	: .26	Perchiorate, 112 ib Kegsib	.09%:	.10
hospharus Oxychloride, 175 ib cyl. ib	.35 : .40	Granular, 300 m bblsm	: .29	PERMANGAN, USP, crys. 500 D		
osphorus, red 110 fb es. wks fb	.75 : .85	Cases, 100 lblb		& 100 m drs. wks m	.14 :	.15
Imported, 112 lb eases lb	:			Imp. 112 lb drs lb	.14%:	15
Yellow, 110 m es. whs m	.40 : .45	Imported, USP, 220 lb cslb	.18 : .19	Prussiate, red, 100 lb bbls lb	.40 :	.42
Imported, 112 m cases m	:	CARBONATE, 80-85% calc.	A	500 lb caskslb	.38 :	.40
osphorus Trichloride, 175 lb cyl.		800 lb ckslb	.05%: .05%	Prussiate, yellow, 500 lb casks. lb	.181/4:	.193/
wks	: .45	80-85%, hydrated, 800 B		Salicylate, 25 lb cans lb	.60 :	.65
nthalic Anhydride, 100 lb bbls. lb	: .30	elas	.06 : .061/4	Sulfate, 200 lb bags, NY, Ka0 unit	:	.94
locarpine Hydehlide, USP 25 os.		90-95% calc, casks To	.05%: .06	USP, VIII, 100 lb kegslb	.15 :	.18
lots, 1 oz. vialsoz	3.00 : 3.32	96-98% calc. casks Ib	.05%: .06%	Sulfocyanide, CP 25 lb jars lb	:	.50
Nitrate, 25 oz	: 3.00	99% calc. casks	.07%: .07%	Tartrate, neutral, 100 lb keps. lb	:	.51
Alkaloid, 15 gr. visea	: 3.52	USP, 100 lb kegs	.12%: .13	Titanium Oxalate 200 lb bbls. lb	.25 :	.30
ALERTOIG, 10 gr. VIS	: .85	99% CP casks	.14 : .1279	Transim Uxarate 200 to Dois. ID	.20 :	.30

Largest producers of Pure Phthalic Anhydride in the world



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99.99+% Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Fumice Stone, lump, 250 h bbls. h	.041/2	: .06	QUIMINE-(centimoed) Santonin USP, 170 bot70	45.00	:1	48.00
Lump, bags	.0314		Tartrate	148.00		50.00
Powdered, 350 m bbls	.03 14	.03	Valerate	1.00	:	
Pyridine, 50 gal, drumsgal		4.75	Small Sizes: los vials or cans, Satin White, 500 lb bbls lb		:	.014
QUICKSILVER, see Mercury			50 cm. lots, 5c cm extra; 5cm cars, Schaeffer's Salt, 250 lb bbls.wim. lb	.60	:	.65
Quinidine Alk., 100os timsos		75	50og lots 2e os extra single los			
Sulfate, 100os tinsoz			vials or cans, 5c extra. All minor Seidlits Mixture, 225 m bbls m	.17	:	.18
Quinoidine, see Chinoidin			quinine salts sold and quoted basis SILICA			
QUININE SULFATE, USP.			100 os lots in 100 os cans. Sulfats Crude, bulk, mineston and hisulfate sold basis 100 os Refined, floated, bagston			12.00 30.00
American, 100es tinson		: .50	lots in 100cs cans. Smaller orders Air floated, bagston			50.00
los tins, 100oz lotsoz		.57	or containers extra as above Extra, floated, bags, ton			65.00
Dutch, 100oz tinsoz		.50	schedule. SILVER, metal, Americanos			.995
Java, 1000z tingoz		: .50	R SALT, 250 lb bbls, wks lb .49 : .50 Foreign	***		.63%
Japanese, 100oz tinsoz		.50	Red Lead, see lead oxide Colloidal, 16os bot			3.80
			Red Precipitate, see mercury Silver Iodide, 160s botos.		:	.69
QUININE ALK., USP., 1000s tins.os		: .67	Resorcin, see resorcinal. Nitrate, USP, 200oz botoz	.44	:	.46
Acetate	***	88	Resorcinol tech, 100 m kegs m 1.35 : 1.50 Nucleinate, 16oz botoz	.30	:	.35
Armenate		.88	USP, 25 m cans	.30	:	.35
Benzoateeg		88	Rochelle Salt, USP, 225 h bbls. h .20 : .21 Soap, Castile, 40 h brs h	.20	:	.25
Bisulfate, USP		.50	Imp. USP, 300 lb bbls lb .191/4: .20 Powd. USP, 250 lb bbls lb	.28	:	.29
	***		Rosewater, triple, 5gal. demisgal .90 : 1.10 Green, USP, 150 m kegs m	.07	:	.073
Citratees	***	.62	Rotten Stone, lump imp., bbls lb .07 : .08 Soapstone, see Talc, crude			
Dihydchlide, USP06	***	.66	Lump selected, bbls ID .09 : .12 Powdered, bbls ID .02 : .05 SODA ASH, 58% light			
Dihybromide08		: .66	Domestic, bags, minestop 24.00 ; 30.00 1-4 bags, deliv'd NY100 b		:	2.19
Dicarbonate, 10oz tinsoz		2.50	5 & Up bags, deliv'd NY.100 fb		:	2.04
Ethyl Carbonate, 16oz. tinsoz		91	SACCHARIN, USP, 11D cars, 25 m 1-4 bbls., deliv'd NY100 m 5.4 l'a bbls., deliv'd NY100 m		:	2.44
	***		of the population of the popul		:	2.29
Ferrocyanide	***	.88				
Formate	***	: .85	Sal Ammoniac, see Ammon. Chloride Salicin, USP, 1 D cartons, 25 D . D 4.50 : 4.75 Prompt and spot, Basis 58% bags		:	1.38
Glycerophosphate		.88	Salicin, USP, 170 to cartons, 25 to . 10 4.50 : 4.75 Prompt and spot, Basis 58% bags Salol, USP, 100 to drums			1.48
Hydriodide		: .88	Salt. Common, see sodium chloride Contract, Basis 58% dense bass		•	4.40
Hydrobromide, USP		.62	Salt Cake, c/l f.o.b. wkston 20.00 : 24.00 c/l wks100 b		:	1.45
Hydrochloride, USPoz		.62	SALTPETRE, Double Refined Pmpt. and spot, Basis 58% bags			
Hydrochlorsulfate		.66	Granular, 400-500 b bbls. c/1 wks		:	1.55
	***		e/I wksib : .06½ SODA, CAUSTIC, 76% solid			
Hydchlide & Urea, USP Ib	***	: .88	Less c/l works, bbls ib : .06% 1-4 drums deliv'd NY100 lb		:	3.91
Hypophosphite	***	: .83	Large Crystals, 350-400 m bols., 5 & Up drums deliv'd NY. 100 m		:	3.76
Lactate	***	.78	c/l wks, b : .08 Ground & Flake, 76%		:	4.31
Phenolsulfonate		.88		***		4.16
Phosphate		.74				4.56
Salicylate, USP	***	.63				4.41
Tannate, USP	***	.45	Imported, 500 m bhis, NYm : .er 5 & Up bbis, delivd100 m			4.41

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OVER 99% PURE

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> Solvay 58% Soda Ash Dense-Light-Extra light (Fluf) Solvay 76% Caustic Soda Solid—Flake—Ground Solvay Super Alkali (15% 45% Solvay Snow Flake Crystals Solvay Laundry Soda Solvay Cleansing Soda Solvay Tanners Alkali Solvay Tanners Soda Solvay Liquid Caustic Soda



Solvay Calcium Chloride 73%-75%

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SODA CAUSTIC-(Continued)			SODIUM-(Centinued)			SODIUM-(Continued)		
Contract basis 76% e/l wire.			Chlorate, 112 lb kegs, wks lb	.06%:	.06%	Ortho-Chloro-para-Toluene Sulfe		
100 b	:	3.10	Imported, 112 lb kegs lb	.00%:	.07	nate, 175 h bbls. wksh	.25 :	.27
Pmpt and mot. Basis 76%			Chloride, tech, 200 lb bags, ton	12.00 :	13.00	Oralate, neutral, 100 h kes. h	:	.39
c/1 wks100 lb	:	3 20	C. P., 800 m bbls	.05 :		Perborate, 275 lb bbls	:	.23 1/2
Contract 74% low grade c/1		0.20	Chromate, 800 m bhls m	:	.08	Imp., 225 lb drs	.18 :	.19
wks. flat200 D	:	9.09	Citrate, USP, IX, 100 h kegs, h	.62	.66			
	*** *	0.Va	USP, VIII, 100 lb kegs lb	.55	.59	Peroxide, 200 lb cases lb	.25 :	.27
Ground & flake, 76% pmpt and			Cyanide, 96-98%, 100 lb cases	.00 .	.00	Phosphate, di-sodium, tech 550 lb		
spot, wks c/l drs100 E	:	3.60			.22	bblsIb	.03%:	.03%
Contract, 76% drums, c/1 wks			wks	***		USP, gran. 275 bbls Ib	.07 :	.073
flat	:	3.50	Ton lots, wks		.22	Imp. gran ID	.05%:	.06
USP, stick, 10 D cars D	.19 :	.21	73-76%, 100 lb cases, wkr. lb	:	.19%	USP, recrys, 275 bbls Ib	.10 :	.11
Pure, stick, by alcohol ID	.25	.27	125-128%, 200 lb es lb	.20 :	.201/2	Mono-sodium 100 lb kegs lb	.24 :	.26
ruo, saton, ty anomotion			120-125%, 200 lb cs lb	.17 :	.173	Tri-sodium tech, c/l, bbls Ib	.0434:	.0434
SODIUM ACETATE, crys. 450 lb bbls			Fluoride, 300 lb bbls, wks lb	.08%:		Picramate, 100 lb kegs lb	:	.60
wics	.05 :	.0514	Imp. 850 lb bbls	.08%:	.09	Para-Toluene Sulfenate, 175 lb		
Ton lots, bbis, wis ID	.05 :	.05%	Glycerophes. USP, crys 25 h			bbls	.08 :	.09
Imp., 500 h casks h	:		cans lb	1.65 :	1.75			
			Powder, 25 tins ID	1.70 :		PRUSSIATE, yellow, 250 lb bbla. lb	***	.13 *
Aluminum Sulfate, see alum soda			Solution, USP 25 lb tins lb	1.10		Imp., 450 lb cks	.101/2:	.10%
Arsenite, 50 gal. drumsgal	:	1.00	Hydroxide, see Soda Caustic	1.10 .	1.40	Pyrophosphate, 100 lb kegsfb	.24 :	.26
Benzoate, USP, 100 lb bbls lb	.65 :	.68	Hypochlorite, Soln., 100 h cbys. h		.05	Salicylate, 100 h kegs	:	.40
Bicarbonate, 400 h bbls NY100 h	:	2.25		***		Second Hands, USP, kegs 1b.	.37 :	.40
Bbls. c/l wks100 b	:	2.00	14 1/2 % soln., 50 m cbysm		.04	Silicate. 60° 700 b bbls. f.a.s.		
112 lb kegs wks100 lb	:	2.25	Hydrosulfite, 200 lb bbls, fob, wks. lb	.22 :	.24			2.00
112 b kegs, NY100 b	:	2.50	siypophosphite. USP, 25 lb cans	-		NY100 Ib		
Bichromate, 600 lb casks wks lb	.0734	.07%	B.	.70 :	.71	Works, 1000 lb drums100 lb	*** :	
Casics, e/l wis B	.67%:		HYPOSULFITE, tech. pea crys.,			Works, tanks100 lb	:	1.75
Cooks NV		.07%	375 lb bbls. wks100 lb	2.90 :	3.30	40° domestie, 700 b c/l f.o.b.		
Casks, NY D	.07%:	.07%	Bbis. c/l wks100 lb	:	2.75	wks	:	.80
Bisulfite, dry powder, 500 B			. 100 lb keps wks100 lb	3.00 ;	3.60	Works, 1000 fb drums100 fb	:	1.90
bbls., wks ID	.04 :	.04 1/2	Imp	:	3.00	Works, tanks100 lb	:	1.75
Solution, 32-40°, 500 lb bbls.	11123		Granulated, bbls. wks100 h	3.15 :	3.55	Spot, drums, bbls100 lb	1.30 :	1.50
wks100 lb	1.25 :	1.75	Bbls. e/1 wks100 lb		3.00	Silicofluoride, 450 fb bbls., NY. fb	:	.06
Bromate, 100 lb es	:	1.05	Kegs wkg	3.25 :	3.85	Sulphate, see Glauber's Salt		
Bromide, USP, 450 D bbls D	:	.27	Begular crystals 100 m	2.65	2.90	Sulfate, Anhydrous, 550 lb bbls,		
Cases, 100 D	:	.28	Iodide, USP, 25 lb jars lb	4.25			029/ 4	AK
Imp. USP, 112 m cs m	.22 :	.24	Metanilate, 150 lb bbls lb			c/1Ib	.03%:	.05
Cacodylate, USP, 5 m box,						Sulfide, 60% solid, 650 lb drs.		
25 m	5.50 :	5.75	Naphthionate, 800 lb bblslb	.59 :	.62	le,/1 wks	.04%:	.05
Carbonate, sal soda, 350 h bhis	0.00 .	0.10	Nitrate, crude, 95%, 200 b bgs.		41.00	Drs. c/l wks	.031/2:	.04
le/1 NY100 D			c/1 NY	2.60 :		Imp. 700 lb drs. NY lb	:	.03 34
	1.30 :	1.35	Futures, NY100 lb	2.55 :	2.60	60% broken, 650 lb drs wks. Ib	.04%:	.05
Works c/l100 m	1.00 :	1.30	Double Refined, 400 lb bbla			Imp., 500 lb drs. NY lb	.03%:	.04
Monohydrate, 400 lb bbl.			gran. c/l wks	:	.0434	30% crys. 440 fb bbls, wks, fb	.0214:	.02%
le/1	:	2.45	Nitrite, 500 m bbls. wks m	.08 :	.0834	Imp., 400 m bbls m	.0234:	.02%
Pure photographie, 100 lb			Bbls. spot, makers			Sulfite, crys. 400 lb bbls, wks lb	.03 1/4:	.08%
keg	.08 :	.08	Imp. 650 lb casks	.0814:		Anhydrous, 400 lb bbls lb	.00 1/2:	.16



SODA ASH CAUSTIC SODA BICARBONATE OF SODA

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SODIUM-(Continued)			SULFUR, crude bulk, c/l NYton 1		: 19.00	Thiocarbanilid, 170 B bbls B		: .30
Sulfocarbolate, USP 100 B			Crude, f.o.b. mineston 1		: 15.00	Thymol, USP, 25 lb tins lb		: 3.15
kegs	.37			1.75	: 1.95	Iodide, 5 lb boxes	6.75	: 7.00
Sulfocyanide, 400 lb bbis lb	.45			1.85	: 2.10	TIN, Metal Straits, NY100 lb		: 49.25
Tungstate, crys. 100 lb kem lb	.60		Roll, 500 h bbls. c/l NY.100 h		2.15	American standard, NY 100 fb		
Anhydrous, kegs	***	.75		2.20	: 3.45	99% American, NY100 lb		: 48.00
Solvent Naphtha, see Naphtha				2.60	: 3.15	Bichloride, 50% soin. 100 B		: .14
Spartein Sulfate, USP, 250g bulk.cz	.30	: .40	Rubbermakers 100%, 240 B	2.00	. 0.10	bbls, wks	***	: .35
Single oz. vialoz		.47		2.50	: 3.30	100 lb kegs, wkslb		
Starch, rice, 140 m bags m	.09	.10	Commercial, 99%, 150 lb bgs.	4.00		Oxide, 400 lb bbls. wks lb		ATT 24
STRONTIUM Bromide, USP, 100 D				1.35	: 1.65	100 lb kogs, wks lb		: .57
kegs		.33	For Dusting, 99%, 100 h			Tetrachloride, 1000 lb drs. wks, lb		: .28
Carb, 600 lb bbls, whs				2.00	: 2.50	Tolidine, 350 lb bbls	1.00	: 1.10
100 lb kegs wks			Flowers, 100%, 240 h bbls.			Sulfate, 350 D bbls D		: 1.10
Iodide, USP, 25 lb jarslb			NY100 Ib	3.00	: 3.55	Toluens, 8000gal tank cars, wks.gal		: .26
Nitrate, 600 lb bbls, wks lb	.10	.10%	Precipitated, 125 b bbls NY b	.17	: .20	110gal, drs. wksgal		: .31
Imp., bbls, NY Ib		.091/	Lac, 125 lb bbls NY	.07	: .10	Toluidine. Mixed, 900 lb drs. wks. lb	.31	: .33
Salicylate, USP, 100 h kegs D		.75	Sulfur Chloride, red, 700 lb drs.			Triacetin, 50 gal. drs., wks ib		: .45,
STRYCHNINE Alkaloid, USP, crys.		-	wks	.06	: .01	Tribromphenol, 100 b cases b		: 1.00
100os. tinsos		.78	150 lb cbys. wkslb	***	: .08	Trional, see Sulfonethylmethane		
Alk. powd., USPos			Yellow, 700 m drs. wks m	.05	: .08	Triphenylguanidine		: .80
- Acetateos		.85	150 lb cbys. wks		-	Triphenyl Phosphate, 450 lb bbls. lb Tripoli, 500 lb bbls100 lb	2.50	: .55
Glycerophosphate, USP		.85	Sulfur Diexide, 100 lb cyl lb	.08	: .081/2	Tungsten NYWO, unit	8.75	: 9.50
Hydrobromide		.85	lodids, USP, VIII, 5 m bot m		: 4.55	Ultramarine Blue	0.10	: .18
Hydrochloride		.85	Sulfuric Ether, see Ether			UREA, pharm, 112 lb cases lb		: .30
Hypophosphite		.95	Sulfuryl Chloride, 600 lb drs lb		: .70	VANILLIN, USP, 5000z cansos		: .54
Nitrate, USP08	***	. 85	TALC, Italian 2201b bags NY ton 4		: 50.00	Cans, 80 ozs		: .55
Phosphate	***	: .85	Refined white, bagston 6		: 80.00	Cans, 16 ozs		: .56
Saccharinate	***	1.95	French, 220 lb bgs., NYton 2	22.00	: 35.00	Venetian Red		: .00
			Refined, white, bagston S	35.00	: 45.00 : 15.00	Verdigris, see Copper Subacetate		
Strychnine preparations quote 100os lots in 100os tins. Sma			Dom., crude, 100 lb bags NY.ton 1 Refined, 100 lb bags NYton 1		: 18.00	Vermilion, Amer. 100 h kegs lb	.35	: .40
36 cs vials, 50c extra; 36 cs vi			Tartar Emetic, tech, 700 lb bbls. lb	.26	: .28	English, kegs		
extra; single ounce vials. Te ext			TEP, 300 m bbis	.31	. 34	Hydrochloride, loz vialoz	***	: 1.85
of 25 ons. 5c higher than	a bour		Terpin Hydrate, USP, 100 h kegs h	.60	: .62	Veronal, see Acid Diethylbarbituric		. 1.00
schedule. Lots of loss than	25 000		Ternineol. CP 1000 lb drums lb	:50	: .51	WHITE LEAD, see lead, white.		
10c higher per on.			Came, 50 m	.54	: .55	White Precipitate, see mercury.		
Bugar Milk USP, 200 m bbls m	.22	.23	Imported, cars, 25 b b	.95	: 1.20	Whiting, 200 h bags, c/l wks.ton	14.00	: 16.00
Becond Hands, USP, bbls Ib	.22	.23	Terpenyl Acetata, 25 m cama m	1.65	: 1.85	Bags, le/l NYton		: 22.50
Bulfonal, see Sulfonmethane		.20	Terra Alba, No. 1, 300 m bbis100 m	1.85	: 1.90	Gilders, bags, NYton	13.50	: 15.00
			No. 2, bbls100 b	1.35	: 1.35	French, bags, NYton		: 18.00
Sulfonethylmethane, USP, 10 lb bus. lb	3.85		Theobromine Alk., 5 lb cars lb	***	: 4.10	English, bags, NYton		: 23.00
Sulfunmethane, USP, 10 h brs h	2.65	2.85	and Sod. Salicylste, 17b bot Th		: 3.42	Witch Hazel Extract, 50gal, bbls.gal	1.30	: 1.30

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NIAGARA FALLS, N. Y.



110 gal. drs NYgal	.45 : .50 :	.50 .55	Oils			Off prime, bbls		.14
5° dist. range, 8000gal, tanks						Extra No. 1, bbls		.11%
wks gal	.35 :	.40	Castor, No. 1, 400 lb bbls lb	.16 :	.161/2	No. 1 bbls		.10%
110 gal. drs. wksgal	.40 :	.45	80 m cases	:	.17	NO. 2 DOIS	*** :	.1079
10° dist. range, drums, wks. gal	.35 :	.40	No. 3, bbls	.151/2:	.16	LINSEED, raw c/l bbls, spot gal	:	.90
Commercial, 110 gal, drs., wks.gal	.32 :	.33	Blown, 400 m bbls	:	.1634	Five bbls., rawgal	:	.93
Tanks, wks gal	.26 :	.27				Boiled, 5 bbl. lotsgal	:	.95
Kylidine, 900 lb drs lb	.40 :	.45	China Wood, bbls., spot NY Ib	.14%:	.15	Double boiled 5 bbl. lotsgal	:	.96
ARA YARA, 1 D tins D	1.75 :	2.00	8000 gal, tks, NY	:	***	Raw, lc/l, bbls,gal	:	.93
Yonimbin Hydchlide, 1 oz. vialoz	3.00 :	3.57	May, forward, bbls., China lb	.14%:	.15	Tanksgal	:	.84
ZINC, METAL, high grade, slabs			Coast, tanks, May, forward Ib	.1314:	.131/2	Apr., c/l bblsgal	:	.90
c/1 NY100 m	:	8.75	C	001/ -	.09%	May-Sept., c/l bblsgal	:	.90
Common Slabs, c/l NY100 b	6.40 :	6.45	Coconut Ceylon, 375 lb bbls., NY. lb	.091/4:		Imported, bbls, NYgal	:	
Mossy, 25 lb bxs NY lb	:	.14	8000 gal. tanks, NY Ib	.08%:	.08%	Tanks, NYgal		
Ammonium Chloride, powd., 400 lb			Cochin, 375 b bbls., NY b	.10%:	.10%		*** .	***
bbls	.07%:	.08	Tanks, NY	.0914:	.09%	Menhaden, crude bbls, wksgal	:	
Carb. tech. 150 lb kegs NY lb	:	.23	Manila, tanks, P. Coast lb	.08 :	.08%	Crude, tanks, Baltgal	.47%:	.50
USP, 100 m kegs	:	.33	Edible, bbls, NY	.11 :	.11%	Light strained, tanksgal	:	
Chloride, fused, 600 lb drs.wks. lb	:	.06				Light strained, bbls, NY gal	.61 :	.63
Drs. e/l wks	.0416:	.05	Cod Newfoundland, 50 gal. bbls.gal	.63 :	.65	Yeliow bleached, bbls, NY gal	.63 :	.65
Imp. drs. NY	.04 1/2:	.05	Tanks, NYgal	.60 :	.64	Extra bleached, bbls, NY gal	.67 :	.69
Granulated, 500 lb bbls, wks. lb	:	.07	Copra, bags	.05%:	05%	Biown, bbls, NYgal	.73 :	.75
Imported, drs. NY ID	:	.06%	Corn. ref. 375 m bbls., NY m	.1214:	.121/6			
Solution, 50%, tanks wks100 lb	2.25 :	2.50	Crude, tanks mills	.09 :	.091/4	Neatsfoot, 20° c.t. bbls, NY Ib	:	.181/
USP, 25 lb jars lb	.27 :	.29	Bbls., NY	.11%:	.12	Pure, bbls. NY	:	.14%
Cyanide, 100 lb drs lb	.36 :	.37	B012., NI	.11.75 .	.14	Extra, bbls., NY	:	.11%
Dust, 100 h tins wks h	.09%:	.10	Cottonseed, crude tks, mills Th	.08%:	.09	Oleo Oil, No. 1, bbls, NY ID	.11%:	.12
500 lb bbls, kegs, lc/l wks lb	:	.0934	P. S. Y., 100 bbl. lots NY Ib	.10 :	.10%	No. 2, bbls, NY		
500 lb bbls, kegs, c/l wkslb	:	.0814	White, 100 bbl. lots, NY., Ib	:	.12	No. 2, bols, NI	.10%:	.10%
Iodide, 5 lb bots	:	5.28	Winter yellow, 100 bbls, NY ID	:	.1236	No. 3, bbls, NY	:	.09%
Nitrate, 25 lb jars lb	:	.45				OLIVE, denatured bbls, NY gal	:	1.25
Oxide, Amer. 300 lb bbls, wks lb	.08%	.98%	Degras, Amer. 50 gal. bbls., NY. Ib	.04%:	.05 14	Edible, bbls., NYgal	2.00 :	2.25
Bbls. c/l wks	.08%:	.08%	English, bbls, NY	:	.1153/	Foots, bbls, NY		
French, 300 lb bbls wks lb	10%:	.1214	Neutral, bbls, NY	.11 :	14		.09%:	.10
Bbl e/l wks	.10 :	.12	Moellon, bbls, NYgal	:	.50	Shipments Ib	*** :	.10
Bags, c/l wks	.09%:	.101/4	C	008/ -	.08%	Palm Lagos, 1590 m casks m	:	.08
USP, 100 m bbls, e/1 m	*** :	.17	Greases, choice white, bbls, NY Ib	.08%:	.06%	Niger easks	.06%:	.07
Ton lots, wks	:	.18	Yellow			Bonny old Calabar, casks Ib	:	
Imported, white seal, bbls Ib	1	.12	Brownlb		.06%			***
Green seal, bbls,	:	.10	House	:	.06%	Palm Kernel, 1500 D casks NY Ib	.09 :	.094
USP, 100 m bbls	:	.1914	Bone naphtha	:	.06%	Beaut miles the My	40 .	
Stearate, USP, 50 D bbls D	:	.22	Herring, Tanks, Coastgal	:		Peanut, refined bbls, NY fb	.16 :	.16%
Sulfate, 400 lb bbls, wkslb	.0314:	.0314				(rude, mills buyers' tks Ib	- 4- :	***
Bbls., c/l wks	.0074	.03	Horse, 375 m bbls, NY	:	.07%	Crode, bbis. NY	:	
USP- 100 lb kegs lb	.08	.09	Lard, prime steam bbls	.11%:	.12	Perilla, bbls., NY	.14%:	.15
Sulfecarbolate, 100 h kemh	.32 :	.34	Compound, bbls	.12	.121/4			

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Oils and Fertilizers

Rapesced, refined bbls, NYgal Blown, bbls, NY, 8 lbsgal	.90 :	.92 1.00	
Red Oil, distilled, bbls	.0916: .0916:	.10 .10	
Saimon, 8000 gal. the. Coastgal Sesame, edible bbls	.11%:	.111%	
Sod Oil, bbls, NYgal	:	.45	
SOYA BEAN, crude the, CoastD Crude, Tea., D.P., NYD Crude, bbls, NY	:	.10%	
Sperm, 38° c.t. blehd. bbls, NY.gal 45° cold test, blehd. bbls, NY.gal	::: :	.89	
STEARIC ACID, s.p. 200 lb bags. lb Double pressed, bags lb louble pressed, bgs., saponified. lb Triple pressed, bgs., distilled lb Triple pressed, bgs., saponified lb	.11 : .11 ½ : .11 ½ : .13 :	.11 1/2 .12 .12 .13 1/4 .13 1/2	
Stearine, oleo, bbls. D Tallow, edible, tierces D City, extra, loose D Tallow Oil, acidiess tha. NY. D Bbls., c/l NY D Walnut, crude bbls, NY. B Bibd., mat. winter bbls, NY. B Bibd. winter bbls, NY. Bal Biehd winter bbls, NY. Bal	.101/2	.10% .07% .09% .10%	
Extra Blehd. tbls, NYgal Crude, No. 1, tanks Coastgal Crude, No. 2, tanks Coastgal		.82	
Crude, No. 3, tanks Constgal	:	***	

Fertilizer Materials

Ammon, Sulf., bulk wks100 lb	2.70		2.80
Double, bgs. f.a.s. NY100 lb	2.60	:	2,70
Single begs, wks 100 lb	2.75	:	2.85
Blood, dried f.e.b. NYunit	3,35	:	3.50
Chicagounit	2.75	:	3.00
Bone, 3 & 50 ground steamedton	20,00	:	28.00
Raw. Chicagoton		:	25.00
Cyanamide wiss	2.00	:	2.10
Fish Scrap, dried whsunit	***	:	
Acid. Bulk. 7 & 31/4, wksunit		:	

NITRATE SODA, NY100 D	2.60	:	2.65
Future, May, June 100 lb	2.55		2.60
Phosphate Rock, f.o.b. mines		-	
Florida Pebble, 68%ton			2,25
Florida Pebble, 70%ton		:	2.50
Florida Pebble, 75-74%top			3.75
Tennessee, 72%ton		2	5.50
Phosphate Acid, 16% Bulk wks ten	T.50		8.00
PCTASH		•	0.00
Pot. Chloride, 80% basis, bes. top			34.55
Pot. Sulfate, 90% basis, bgs. ton			
Por. Solitate, 90% basis, bgs. ton		:	45.85
Dble, Manure Salts, 48% basis			
bgston		:	26.35
Manure Salts, 30% basis, bulk.ton		:	16.03
Manure Salts, 20% basis, bulk.ton		:	10.55
Kainite, 12.4% basis, bulkton		:	7.22
Bulk in bags, \$2.00 extra.			
Discounts, 1% to 10% as to	mantit		
Prices e.i.f. Atlantic & Gulf			
Steamed Bone Meal, 3 & 50,NY.ton			29.00
Tankage, ground, NYunit			2.75
High grade f.o.b. Chicago unit	2.25		2.35

Naval Stores

										1	c	æ	ri		N	ù	1	c	į.	1		B. 1	(.)				
Spirit																										:	.93
Wood																											.90
																								.6	35	:	.68
Pine	0	u		1	r	a	n,		4	Ħ	s	ď	å,	,	b	b	l					gal.				:	.63
Pitch,																										:	6.00
Rosins																									st,		
que	t	RÍ	ä	0	n		1	bi	ú	ю	đ	-	bt	•	8		ŧ	Œ	ů	t	of	2801	D)				
В																					280	D				:	5.80
D						. ,		٠,													286	m					5.80
E																					280	D				:	5.80
F																					280	Ib				:	5.80
G								٠.													280	ID					5.80
H																					280	To				:	5.80
I																					286	10				:	5.80
K																					280	ID					5.85
M								0.4													280	Ib					5.95
N																					280	ID					6.25
WG																					280	D.					7.10
ww																					280	m				:	7.50

Rosin (il, first	run, 50	gal, bbls.gal	 :	.42
Secon	d run,	bbls	ml	 :	.48
Tar, k	ilo-burn		gal bbi bbi.	 :	11.00
Retor	t		bbl.	 :	11.00

Dve and Tan Woods

Barwood, chips	041/ -	
Camwood, chips		
Diel Diel and 100 000 b	.09 :	.13
Divi Divi, pods 100-200 lb bags.ton		41.00
Pustic, stickston		32.00
Chips	.04 :	.05
Hemlock, barkton	:	20.00
Hypernic. chips		
LOGWOOD, stickston	23.00 :	27.00
Chips 150 m bags	.03 :	.081/4
Mangrove bark, Africanton	84.00 :	36.00
Bark, South American ton	25.00 :	30.00
Myrobalans, 150 h bags J1ton	36.00 :	38.00
B1ton	36.00 :	38 00
J2ton		33.00
Nutgalls, see Crude Drugs.		
Gak bark, wholeton	20.00 :	23.00
Groundtop		25.00
Quereitron bark, roughton		10.00
Groundton		25.00
Sumac. Sicily. 160 m bagstuni		140.00
Virginia, 150 fb bagston		45.00
Valonia Cups. 28-33% tanton		32.00
Beard, 40% tan, 150 h bgs.ton		44.00
Wattle bark, 150 m bgston	85.00 :	37.00

Extracts

Range of prices includes quality

tunge ter turge demnitty.			
Annatto, fine	.26	:	.29
Archil. dcuble 600 lb bbls lb	.13	:	.14
Triple, 600 lb bbls	.16	:	.17
Cone. 600 lb bbls	.18		.20



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Tannins and Dyestuffs

Chestnut, clarified, 25% thu. wks. Ib	.01%:	.01%	Osage Orange, 51° liquid D	.07 :	.08	Canda Dan	de
Bbls., wks		.03	Powd, 100 h bags	.14 :		Crude Dru	gs
Powd., 60% 100 m bbls. wks. m	.051/4:	.05%	Persian Berries	.27 :	.30	Accroides Gum, yel	.18 : .20
Decolorized, bbls., wks Ib	.08 :	.09	QUEBRACHO, 35% liquid thm Ib	.03 :	.031/2	ACONITE Leaves, bales	.12 : .14
Cudbear, English	.18 :	.20	450 lb bbls	.03%:	.04	Root, USP, bags	.44 : .45
Cutch. Rangoon, 100 h bales h		16	35% bleaching, 450 m bblsm	.04%:	.05%	Agar Agar, 1, 200 b bales b	1.45 : 1.50
Borneo, solid, 100 lb bales lb		051/4	Solid 65% 100 m bales m	.04 :	.04 1/4	No. 2, bales	: 1.42
Liquid, 450 lb bbls		.11	Clarified bales	:	.04%	Agarie, white, cases	: 1.38
Tablets, 120 lb boxeslb	.13 : .	14	Quercitron, 51° 450 lb bblslb Powdered, 100 lb boxeslb	.0714:	.08	Almonds, bitter bags brs Ib Sweet, bags Ib	.32 : .35
Flavine	.95 : 1.	.00	Spruce, 25% liquid tanks wks In	.01 :	.0114	Meal, tins, boxes	.38 : .20
Fustic, solid 50 lb boxes lb	.20 : .	22	Powd, 50% 100 lb bags wks. lb	.02 :	.0234	Aletris Root, bags	.50 : .53
Crystals, 100 lb boxes lb	.20 :	22	Sumae, liquid 450 m bbls m	.07 :	.08	Alkanet Root, bags	.06 : .08
Liquid, 51°, 600 m bbls m		14	Stainless, 600 lb bbis lb	.10 :	.11	Aloes, Barbadoes, 120 lb bbls lb	.65 : .70
						Cape, 400 m cases	.0814: .09
Oall extract		18	DAERS, ZANDBIEZ			Curacao, 100 lb cases	.091/4: .10
Gambier, 25% liq. 450 m bblsm		13	Albumen, technical, egg 200 lb cs. lb	*** :	1.25	Socotrine, whole 100 lb cslb	.30 : .33
Common, 200 lb caseslb		11%	Blood, 100 lb drs	.40 :	.45	Whole bags	.09 : .10
Singapore cubes, 150 lb bags lb	.18 : .	20	Spray Yolk, 150 b cs	.45 :	.65	Ambergris, black boxesoz	: 8.00
HEMATINE, Paste, 500 m bbls m	.091/2: .	13	British Gum, 140 lb bags c/l 100 lb	4.09 :	4.24	Grey, boxes	: 28.00
Crystals, 400 m bbls	.12 : .	20	Bags, le/1100 lb	4.39 :	4.45	Ammoniac, tears, bags Ib	.70 .: .75
Hemlock, 25% 600 lb bbls, wks. lb			Dextrin, corn 140 m bags c/1.100 m	:	3.74	Angestura Bark, bags Ib	.13 : .14
		031/2	Bags, lc/l100 lb	:	3.84	Anise, Levant bars	.08 : .10
Hypernic, 51°, 600 h bblsh	.16 : .	18	Yellow, bags c/l100 lb	:	3.79	Russian, bags	.14 : .15
Indigo, Madras, bbls	.85 : .	90	Potato 220 lb bags c/1lb Bags, lc/1lb	.07%	.07%	Star, cases	.131/4: .14
Manila, bbls lb	: 1.	30	Yellow, 220 lb bags lb	.0174	.08	Annatto Seed, 200 lb bags lb	.14%: .15
Larch, 25%, 600 lb bbls., wks lb	.031/4: .	04	Tapioca, 200 lb bags, le/1lb	.09%:	.10%	ARABIG GUM.	.24 : .25
Powd. 100 lb bags, wkslb		08	Prussian blue	.60 :	.62	White, No. 1, 200 lb bags lb	.21 : .23
			Sago Flour, 150 lb bagslb	.04%:	.05	Seconds, 250 lb bags	.20 : .22
Logwood, 51°, 600 m bblsm		09	STARCH, powd. 140 m bgs.e/1.100 m		3.27	Sorts, amber, 200 lb bags, bls. lb	.13 : .14
Lower grades	.07 : .	80	Bags, 1c/1100 lb	:	3.37	Powd., USP, 300 lb bblslb	.19 : .20
Solid, 50 to boxes	.09 : .:	15	Pearl, 140 lb bags c/1100 lb	:	3.17	Areca Nuts, 150 lb bags	: .09
Madder, Dutch	.28 : .1	80	Bags, lc/l	:	3.27	Arnica Flowers, bales	.11 : .13
Mangrove, 55% 400 lb bblslb		05	Potato, domestic, 200 lb bags. lb	.05%:	.08	Root, Bags	.25 : .35
			Imported, bags duty paid Ib	.06 :	.061/2	Arrowroot, Amer., powd. bbls Ib	.06%: .091
Myrobalans, 25% liquid bblsIb 50% solid, 50 lb boxeslb		05	Tapioca Flour, high grade bags Ib	.0716:	.08	St. Vincent, powd. bbls Ib	.14%: .15
50 % sould, 50 m Doxes		05	Medium grade bags Ib Low grade, bags Ib	.051/4:	.06	Asafoetida, USP, 250 lb caseslb Powd. 50 lb bxslb	.20 : .21
ak, tanks, wks	.03%: .0	14	Turkey Red Oil, bbls	.11 :	.12	BALM GILEAD BUDS, begsD	.45 : .50
23-25% liq. 600 lb bbls. wks. lb	.04%: .0	141/2		:	.35	Balmony Herb, bales	: .14

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BALSAMS			, Cannabis, true imp. bags D	4.50 :	5.00	Cloves, Zanzibar, 135 m bales m	.28 :	.29
Copaiba. Para, 80 m cs m	.26 :	.30	American (no assay) bales ID	.80 :	.85	Amboynas, bales	:	.38
South American, 80 m cs m	.321/4:	.85	USP	1.70 :	1.85	Penang, bales	:	.45
Fir Canada, cansgal		12.80	Cantharides, Chinese cases Ib	.90 :	.95	Cochineal, USP, boxes	.35 :	.37
Oregon, bbls., causgal	1.35 :	1.40	Powdered, boxes	1.05 :	1.10	Coca Leaves, Huanuco bags Ib	:	0.1
Peru, 120 h cases	1.85 :	1.95	Cantharides, Russian, cases Ib	.90 :	.95	Truxillo, bags	:	.55
Tolu, 90 lb cases	1.50 :	1.60	Powdered, boxes	1.05 :	1.10	Cohosh Root, Black bags ID	.10 :	.11
Bamboo Brier Root, bags Ib	.05%:	.06	Caraway Seed, African, bags Ib	.22 :	.23	Blue, bags	.13 :	.14
Barberry Bark, tree bales ID	.12 :	.14	Dutch, 110 m bags	.24 :	.25			
Root, bags	.80 :	.90	Cardamom bleach cases Ib	1.60 :	2.00	Colchicum Root, bags	.08 :	.09
Rayberry Bark, bales	.09 :	.10	Decorticated, cases	1.50 :	1.60	Seed, bags	.10 :	.11
Wax, bbls	.20 :	.22	Green, grinding, bags Ib	1.20 :	1.30	Colombo Root, whole bags Ib	.0216:	.03
		.29	Carpauba Wax, Flor, bags, Ib	.47 :	.52	Colocynth, apples. cases, bales Ib	.17 :	.22
Belladonna Leaves, bales Ib	.27 :		No. 1 N Country bags	.42 :	.45	Pulp, USP, bales	.33 :	.35
Root, bags	.12 :	.13%	No. 2 N Country bags Ib	.32 :	54	Coltsfoot Leaves, bags	.06 :	.07
Bees Wax, white bbls	.42 :	.44	No. 3 Fatty Gray, bags Ib	.23 :	.24	Comfrey Root, bags	.13 :	.14
Yellow, refined, bbls ID	.27 :	.29	No. 3 Chalky, bags	.22 :	3			
Crude, bags	.22 :	.23	Cascara Amarga, 150 lb bales lb	1.25 :	1.35	Condurango Bark, bales	.30 :	.35
Benzoin Gum, Siam, boxes 10	1.30 :	1.35	Cascara Sagrada, bales, Old Ib	.35 :	.37	Conium Seeds, bags	:	.16
Sumatra, 80 lb boxes	.27 :	.28	New	.34 :	.35	Copaiba Balsam Para, see Balsams		
Berberis Aquifolium Root, bags Ib	.14 :	.15	Cascarilla Bark, quills bales Ib	.36 :	.40	Copal Gum	.12 :	.13 14
Beth Root, bags	.30 :	.32	Siftings, bhla	.20 :	.25	Corlander Seed, Bombay bags Ib	.08 :	.09
Blackbaw Bark, root, bales Ib	.38 :	.40	Cassia Buds, 66 lb cases lb	.11%:	.12	Mogadore, bags	.11 :	.1134
Tree, bales	.22 :	.24	China, Whole Rolls, coses 75	1014:	.1036	Morocco, bags	.11 :	.1136
Blood Root, bags	.15 :	.16	Saigon, assort, bales ID	.24 :	.29	Bleached, bags	.15 :	.15%
Blueflag Root, bags	.23 :	.25	Cassia Fistula, baskets B	.10	.11	Corn Silk, bales	.0536:	.06
Boldo Leaves, bales	.20 :	.21	Castor Beans, bags b	.03 :	.0334	Cotton Root Bark, bales Ib	.13 :	.15
Boneset Herb, bales	.071/2:	.09	Castoreum, 1 h bot, h	4.00 :	4.50		.10 .	
Borage Flowers, bales Th	.15 :	.17	Catechu Gum, bags	.09 :	.10	Cramp Bark, so-called bales Th	:	08
Bryonia floot, bags	.09 :	.10	Catrip Herb, bales Ib	.15 :	.17	True, bags	.38 :	.40
BUCHU LEAVES, short, 250 B			Gelery Seed. 220 lb bagslb	.30 :	.31	Cranesbill Root, bags	.10 :	11
bales	.76 :	.85	Ceresin Wax, white bags ID	.09%:	.10	CUBEB BERRIES, XX bags To	.65 :	.70
Less, bales	.84 :	.93	Yellow. 200 lb bags	.09	.10	Powdered, boxes	.70 :	.73
Long. bales	:		CHAMOMILE FLOWERS, Roman	.00 .	.20	Culvers Roct, bags 1b.	.27 :	.29
Buckthorn Bark, bags	.07	.08	bales	.75 :	.80	Cumin Seed, Levant bags ID	23 :	.24
Burdock Root, bags	.15 :	.16	Hung, cases bales	.0714:	.08	Morocco, bags	.23 :	.24
	.10 .	.20	Charcoal Willow, powd, bbls D	.06	.0634	Cuttlefish Bone, Trieste, straps Ib	.13 :	.14
Burgundy Pitch, dom., 110 b stands		.05	Wood, newd, bbls	.04 :	.05	Jewelers, large, straps Ib	:	.55
	.12	.14	Chestnut Bark, bags	.07	.08	Small, straps	:	.35
Calabar Beans, bags		.38	Herb. bales	.06	.0634	French, straps ID	.15 :	.16
Calamus Root, bleached cases Ib	.35	.08	Chicle Gum, bags	.75 :	1.00	Powdered, boxes	:	.13
Unbleached, bags		.23	Chiretta, bales	.10 :	.12	Broken, boxes	.07 :	.0736
Calendula Petals, imp. bales Ib		.30	Cinchona Bark, red quills bales. Ib	.48 :	.50	Damar Gum, 136 lb cases lb	.24 :	.25
Calisaya Bark, bales, powd Ib	.27 :	.00	Broken, bales, East Indian Ib	.23 :	.25	Damiana Leaves, bales	.15 :	.16
Camphor, see Chemicals		0.0	Cerion, Broken, bales Ib		.20	Dandelion Root, Imp., bags 10	.34 :	.36
Canary Seed, Morocco bags Ib	07	.06	Cingamon, Ceylon, bales	.15 :	.2214	Deer Tongue Leaves, bales Ib	.09	.10
South American, bags Ib	.07 :	.07%		2.75 :	3.75	Digitalis Leaves, bales	.07	.08
Candelila Wax, bags	.23 :	.25	Civet, Abyssin horns	.25 :	.27	Dill Seed, bags	.0834:	.09
Canella Alba Bark, bales Th	.51 :	.52	Clover Tops, bags Ib	.20 :		Train though make	.0073.	.00

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Dogwood Bark, Jamaica bags Ib American, bales Ib	.10 : .11	Grindelia Robusta Herb, bales Ib Guaiac Gum, 80 lb cases Ib	.09	: .091/2	LADY SLIPPER ROOT, bags Ib	.51 :	1.20
		Guarana, tins, cases		.75	Larkspur Seed, bags		
Doggrass Root, USP, cut bags ib	.101/2: .11	GUM, see Arabic Gum, etc.	.00		Laurel Leaves, bales	.30 :	
Dragons Blood, mass cases Ib	.48 : .50	HELLEBORE ROOT.			Lavender Flowers, ordinary Ib Selected ID	.35 :	
Reeds, boxes	1.00 : 1.05	Black, bbls	.08	: .10		2.70	3.00
ECHINACEA ROOT, bags 1b	.28 ; .30	Powdered		: .17	Leeches, tubsPer 100	.09 :	
Elecampane Root, bags	.09 : .10	White, Powd., 250 lb bbls lb	.14	: .15			
Elder Flowers, bags	.11 : .12	Heionias Root, (unicorn false)			Licorice Root, Russian whole Ib	.07%:	
Elemi Gum, 89 lb cases lb	.10 : .11	bags	.86	: .88	Spanish, natural bales	.09 :	.093
Elm Bark, select 5 h bundles cases h	.28 : .30	Hemp Seed, Manchurian bags Ib	.05	.051/2	Powdered, bbls	.14	
Grinding, bags	.13 : .15	Chilian. bags ID	01	: .34	Cuttings, 125 lb bags lb	.07	.073
Powdered, bbls	.23 : .24	Henbane Leaves, bales, USPIb	.31	: .32	Greek, 150 m bales	.03 :	,034
ERGOT, 150-200 lb bags lb	.31 : .33	Henna Leaves, bales		: .11	Life Everlasting Herbs, bales Ib	.05 :	.06
Eucalyptus Leaves, bales	: .08	Powdered		: .15	Lime Juice, clarified bbls gal	.50 :	.60
Suphorbia Pilulifera Herb, bags ID	.15 : .17	Honey, Calif., 120 lb cases lb	.1114		Linden Flowers, with leaves, bales in	.11 :	.12
Euphorbium Gum, cases	: .32	Hops, N. Y. prime bales ib	.23		Without Leaves, bales Ib	.18 :	.26
Powdered, boxes	: .40	Pacific Coast prime bales ID		: .23	Liverwort Leaves, bales	.20 :	.23
Fennel Seed, French, bags ID	.11 : .13	Horehound Herb, bales lb	.09	: .10	Lobelia Herb, bales	.271/2:	.28
German, bags	.17 : .18	Horsetail Rush, bags		: .15	Lobelia Seed, bags	.62 :	.65
Indian, bags	.12 : .12%	India Gum, see Karaya			Lovage Root, Imported, bags b	.20 : 1.15 :	1.20
		INSECT FLOWERS, open whole			Domestic	1.15 :	1.20
Ground, 180 m bbls	.07%: .08	bales B			Lycopodium, 88 lb cs	.35 :	.36
Fornugreek Seed, 200 lb bagslb	.05%: .06	Closed whole, bales		.65	MACE. Slauw. No. 1 cases ID	.62 :	.63
Fish Berries, 100-125 h bags lb	.03 : .04	Flowers and stems, 50 p. c.	.00	00	Banda, No. 1 cases	.65 :	.67
Fringe Tree Bark, bags lb	.19 : .20	200 m bbls m	.38	: .40	Batavia, No. 2 cases	.58 :	.59
GALANGAL ROOT, bags ID	.0814: .09	Ipecae Root, Cartagena, bags Ib		: 1.90	West Indian, cases	.58 :	.60
		Powdered, 220 lb bbls, boxes. lb		: 2.20	Malva Flowers, blue bales ID	.26 :	.28
Galbanum Gum, cans lb Gambier Gum, bags lb	.80 : .95	Rio Whole, bags		:	Black, bales	.55 :	.60
	.101/2: .11	Powdered, 200 m bbls. bus. m	2.10	: 2.20	Manna, large flake cases Ib	.78 :	.80
Gamboge Gum, 160 lb caseslb	.80 : .85	Isinglass, American, 130 D D		: .85	Small flake, cases	.41 :	.43
Powdered, cases	.85 : .95	Russian (Beluga) bxs. ctns Ib	4.00	4.50	Sorts, cases	.27 :	.30
Gelsemium Root, bags	.11 : .111/2	JABORANDI LEAVES, bales ID	.11	.12	Mandrake Root, bags	.19 :	.20
Gentian Root, bags	.09 : .10	Jalap Root, whole, 150 lb bags lb	.35	.37	Mastie Gum, 120 b cases b	.60 :	.62
Jamaica, grinding, bags bbls. Ib	.161/2: .18	Powdered, USP, 250 lb bblslb	.26	.28	Mezereon Bark, bags	.20 :	.23
Japan, bags	.17 : .17%			: .80	Marjoram Leaves, German bales To	.12	.16
Cochin, ABC & lemon, bags Ib	.24 : .26	Juniper Berries, 125 lb bagslb	.03	.031/4	French, bales	.11%:	.12
Ginseng Root, cultivated, bass Ib	8.00 : 10.00	KAMALA, boxes		1.20	Millet Seed, dom. yellow bags ID	.03%:	.05
Northwestern Wild, bass lb	13.00 : 14.00	Karaya Gum, powdered, bbls Ib		: .20	Montan Wax, crude bags ib	.05%:	.06
Southern Wild, bags Ib	10.00 : 12.00	Kava Kava Root, bags	.16	: .17	Bleached	1	
Golden Seal Root, bags ID	3.60 : 3.65	Kino Gum, black cases		55	Moss, Iceland bales	.08 :	.09
Powdered, boxes	3.80 : 3.85	Kola Nuts, 150 m bags	.05	: .06	Irish, bleached, bales Ib	.10 :	.11
Grains of Paradise, bags Ib	.13 : .14	Kousso Flowers, bags		: 3.00	Mullein Flowers, tins ID	1.00 :	1.10

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Musk, pods, Cabardine, tinsor	s 16.00 : 17.00	Patchcult Leaves, bales, B	.22 :	.25	Rosemary Flowers, cases bales Il	.28	: .30
Tonquin		Pennyroyal Herb, bales D	.08 :	.12	Rose Petals, pale	.32	
Grain Cab		Pepper, black Sing, bags In	.11 :	.11%	Red	.65	
Tonquin	85.00 : 38.00	White, bags ID	.14 :	.14%	Rue Herb, bales	.30	.85
Synthetic, see Chemicals		Peopers, red Mombasa, bags Ib	.13 :	.16	SABADILLA SEED, bam TO	.15	.16
Musk Root, Russian bags Ib	: 4.25	Cherries, bags	.14 :	.15	Powder, bbls	.16	.17
Mustard Seed. Bari brown bans Ib		Bembay, bags	.1134:	.13	Saffron Flowers, Amer. bales Ib	.80	.82
		Japan, bags	.24 :	.26	Valencia, 1 h cans h		
Bombay, brown		Peppermint Leaves, imp. bales Ib	:	.88	Sage, Dalmatian bales	.06	
Yellow			.25 :	.28	Greek, bales	.04%	.06%
Chinese rellow			.32 :	.34	Spanish, bales	.03	
English, reliew		Peru Balsam, see Balsams			Sandalwood, chine bags ID		.03%
Dutch, yellow		I think I want have	.25 :	.27	Ground, bags		.35
Danish, yellow		Pimento, select bags	.0514:	.0536	Sandarac Gum, 300 m bbls m	.27	.29
		Pink Root, true bags ID	1.00 :	1.10	Sarsaparilla Root Honduras, bales ib		
Myrrh Gum, select 200 b cs b	.33 : .35	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales	.58	.62
Sorts, cases	.30 : .32	Pleurisy Root, bags	:	.22	Sassafras Bark, ordinary bales Ib	.20	.22
NUTGALLS, Chinese, bags To	.17 : .18	Plantain Leaves, bales Ib	1	.15		.13 :	.15
Aleppy, bas	.14 : .15	Poke Berries, bags	:	.15	Select, bales	.35 :	.37
Nutmegs, 110s cases	.40 : .41	Poke Root, bags	:	.0834	Savory Leaves, bales	.08%:	
75s, 80s cases	.43 : .45	Pomegranate Bark, of root bags. ID	:	.30	Saw Palmetto Berries, bags Ib	.10 :	.11
Nux Vomica Buttons, bags ID	.05 : .06	Of Fruit, bags	:	.80	Scammony Resin, boxes	1.40 :	1.60
Powdered. 200 b bbls b		Of tree	1	.30	Scammony Root, bags	.06%:	.07
OAK BARK, red bags	.05 : .06	Poppy Flowers, red bags Ib	.25 :	.27	Scnega Root, bags	.64 :	.66
White, bags	.08 : .07	Poppy Seed, Dutch, bags	.09%:	.10	SENNA, Alex. 150 lb cases lb	.20 :	.22
Olibanum Gum, sift 280 h cases. lb	.0914: .10	German, bags	:	.10%	Half Leaf, 350 b bales D	.17 :	.18
Tears, 280 D cases D	.11 : .12	Turkish, bem	.06 :	.08	Siftings, 400 lb bales lb	.10%:	.12
No. 1. all white 280 D		Blue Indian, bags	.08 :	.0834	Powdered, 200 lb bbls lb	.12 :	.14
comes	.21 : .22	White Indian, bags	.07 :	.071/4	Tinnevelly, job, 350 m bbls m	.12 :	.16
Optum, gum, USP, cases b	9.00 : 10.00	Prickly Ash Bark Southern, bags Ib	.16 :	.17	Grinding, 350 lb bales lb	.07 :	.09
Grandlar, cam	10.00 : 11.00	Northern, bags	:	.16	Powdered, 200 lb bbls lb	.09 :	.10
Powdered, USP, cans D		Prickly Ash Berries, bags ID	.16 :	.17	Pods, 350 lb bales	.12 :	.14
Orange Flowers, cases	.50 : 1.00	Prince's Pine, bales	.40 :	43	Serpentaria Root, bags ID	.80 :	.85
Orange Peel, bitter bags ID	.07%: .075		.20 :	.23	Shellac, D.C., bags	.76 :	.77
Sweet, bags	.08 : .084	Pumpkin Seed, bags	.14 :	.16	V.S.O., bags	.76	.77
Orris Root Florentine bold bags Ib	.07 : .08	QUASSIA CHIPS, bags To	.0734:	.08	Diamond I, bags D	.75 :	.76
Powdered, 200 b bols b	.11%: .13	Queen of the Meadow Herb, bass, ID	:	.06	Superfine, Orange, bags ID	.60 :	.61
Verona, bass	.05 : .06	Quince Seed, bags	.90 :	1.00	Fine, bags	.60 :	.61
Powdered, 200 lb bbls b.	.071/2: .08	RAPE SEED, South Amer, bags In	.06%:	.07	T.N., bags	.56 :	.57
		Dutch, bags	.05%:	.07	Garnet, A. C	.55	.56
Fingers, cases	.22 : .24	Japanese, small, bars Ib	.05%:	.06	Button, bags	.73 :	.74
Oroherite Wax, brown hard bags. In	.27 : .28	Raspberries, dried boxes In	.56 :	.60	Bleached, ground, bbls D	.58 :	.59
Green, hard bags		Red Saunders Ib	.17 :	.10	Bone dry, bbls	.67 :	.69
Refined, yellow bags Ib	.17 : .23	Rhatany Root, bags	:	.0814	Simaruba Bark, bales D	.09	.10
PAPRIKA, bags	.27 : .37	RHUBARB, Root, H. D., cases To	.30 :	.32	Sideritis Herb, cut bags ID		.18
Hungarian	.12 : .14	Powdered, 200 lb bbls	.40 :	.42	Skullcap Leaves, bales	***	.38
	.09 : .10	Rosemary Leaves, bales	.0434	.05	Sloe Berries, bags	.03	.04
Parsley Beed, bags	.0010	,,,	/8 .		torre married made, sessession	.00 +	.02

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Stripped, bags D	.45 :	.50	Tragacanth Gum, No. 1, ribbon 160 lb cs	1.20 : 1.25	Essential Oil	s
\$0AP BARK, whole, 150-200 B balse B Cut, 125-175 b bags b Crushed, 200 b bbls B Fowdered, 200 b bbls B	.08 : .09 1/4 : .11 1/4 : .13 :	.00 .10 .121/2	No. 2 to No. 6, cases	.90 : 1.20 .85 : .90 .70 : .85 .101/2 : .11 .13 : .15	Almond Bitter USP 5D botD Bitter ff PA 5D botsD Artificial (See Bernaldehyde Cher Sweet, 56 D cansD Peach Kernel, 55 D unsD	3.50 : 3.75
Spearmint Leaves, American bales. B Spermaceti, blocks cakes cases B Spikenard Root, bags	.24 : .38 : .27 : 1.00 :	.25 .42 .28 1.80	China. bags B Turpentine, Venice, true 80 B cs. B Artificial, 80 B cases B Spirits, see Naval Stores	.15 : .16 .09 : .10 .14½: .15 .11 : .12	Seed, 1 10 bot 10 8	.70 : .78 .90 : 1.00 38.00 : 39.00 36.00 : 38.00
Squaw Vine, bales	.42 : .12 :	.45	UNICORN ROOT, false, see Heloniss True, see Aletris Uva Ursi Loaves, bales	.05 : .06 .08½: .09	ANISE, Tech., 66 b case b USP, 50 b tins b Bay, 25 b tins b Bergamot, 25 b coppers b Artificial, 25 b cans b	.53 : .55 .57 : .60 2.50 : 2.60 3.85 : 4.10
Storax, liquid artif	.70 : .90 : .22 : .04	.75 1.00 .23	Vanilla Beans Mex. whole cases. D Cuts, cases	12.00 : 13.00 10.00 : 10.50 11.00 : 12.00	Birch Tar, rect. 5 lb betlb Crude. 50 lb tinslb Bois de Rose, 25 lb tinslb Cajuput, natire, 50 lb tinslb	2.00 : 2.25 1.10 : 1.15 .60 : .65 5.25 : 5.75 .80 : .85
Stramonium Leaves, bales B Stramonium Seed, bags B Strophanthus Seed, Fispidus B Kombe, bags B	.08 : .12 : .35 :	.09 .13 .40	Green Label, cases Eb Violet Flowers, bags Ib WAH00 BARK, of root bags Ib Of Tree, bags Ib	.70 : .75 1.15 : 1.20 .40 : .42	Calamus, 5 lb bot	4.25 : 4.75 .131/4: .143 .131/4: .15 .18 : .18
Sunflower Seed, domestic bagsIb South American, bagsIb TAGALDER BARK, bagsIb	.07 :	.071/4	White Pine Bark, rossed, bags Ib White Poplar Bark, bags Ib Wild Cherry Bark, thin green Rossed, bales Ib	.07½: .08 .04 : .05	Rectified, 25 lb tins lb Caraway, USP lb Cardamom, USP, 1 lb bot lb	2.15 : 2.40 2.75 : 3.00 8.00 : 8.25 28.00 : 30.00 17.00 : 18.00
Tamarinds, obls	:	.061/2 3.50	Thick Rossed, bales D Thin Natural, bales D Thick Natural, bales D Willow, bark bags D	.09 : .10 .11 : .13 .07 : .08	GASSIA, 80-85 p.c. 400 m druss. m Redistilled, USP, 50 m caus m Cedar Leaf, 50 m tins m Cedar Wood, light 1000 m drums. m	1.80 : 1.90 2.40 : 2.50 .90 : 1.00 .34 : .36
Tar, Barbadoes, 50 gal. bblsgal Thus Gum, 280 lb bblslb Thyme. Spanish baleslb	1.60 : .061/4:	1.75 .06% .07%	White, bags	07	Celery, 1 b bot b Cinnamon, Ceylon, 1 b bot b	10.50 : 11.00
Fronch, bales	.08%:	.09	Lovant bags	4.75 10 .04 .0434 .0534 .0634	Schimmel Test, 1000 lb drums. lb 50 lb tins	.82 : .85 .84 : .87 .971/4: 1.00
Tongo Bark, bags	.30 : 2.25 : .75 : .80 :	.81 2.85 .80 .85	YELLOW DOCK ROOT, bags	.12 : .14 .16 : .17 .09 : .10 .08 : .10	Java, 400 lb drums	.99%: 1.02 1.15 : 1.20 1.20 : 1.25 2.10 : 2.20 2.20 : 2.30

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Essential Oils

Copaiba, USP, 50 b time b Coriander, USP, 1 b bot b Croton, USP 25 b time b	12.65		Pimento, 25 lb time	2.00	: 2.10 : 1.75 : 2.75	Aromatic Che	mi	cals
Cubebs, USP, 5 D bot D		: 5.50	Rose, Fr., 8, 16 & 32 oz. pkgses		: 9.00			49.17
Cumin, 170 bot		: 15.00	Bulg., 8, 16 & 32 os pkgsoz		: 9.00	NATURAL DERIVATI		
Dill, 1 m bot	4.25	: 5.00	Artificial, 110 bot	2.00	: 3.00	Anethol, 21b bot	1.25	: 1.75
Erigeron, 20 lb tims	1.30	: 1.35	Rosemary, USP, 271/2 fb. tins fb	.40	: .42	Borneol, 1 lb bot lb		: 8,50
EUGALYPTUS, Austl. USP			1000 m drums		: .871/	CITRAL, 25 m cans m		: 8.00
56 lb cs	.63	: .67	Tech., 271/2 ID tins ID	.35	: .40	Citronellal, 1 h bot	2.00	: 2.25
500 lb drums	***	: .60	Rue, 11b bot		: 4.25	FUCALYPTOL, USP, 25 D cams To	.82	: .85
Fennel USP, 25 h tins	1.00	: 1.05	Sandalwood, E.Ind.USP,76 h cases h	6.70	: 6.80	Eugenol, USP, 25 m cans m	3.25	: 3.50
Geranium, Algerian, 25 lb tins. lb Bourbon, 25 lb tins	6.75	: 8.00	W. Indian, (Amyris) 25th tine. Ib		: 3.25	Geraniol, Domestic, 50 lb cans lb	3.25	: 3.50
Turkish, 28 lb tins		: 7.50 : 4.50	Sassafras, USP, 50 lb canslb	1.55	: 1.65	Imported, 5 m bet m	4.25	: 5.50
Ginger, 170 bot		: 10.00	Artificial, 1000 D drs., 60 D cans D	.36	: .38	Extra D		:
Gingergrass, 28 b tinsb		: 3.00	Savin, 5 lb time	2.75	: 3.00	Iso-Eugenol, 1 h bot		: 5.00
Hemlock, 50 lb cans	1.00	: 1.10	Spearmint, USP, 60 lb caseslb Spruce, 50 lb tinslb	1.00	: 2.65	Imported		: 6.50
Juniper Berries, USP, 25 m tins To	1.30	: 1.40	Tansy Amer. 20 D tinsD	3.15	: 3.25	Linalool, 5 m bot	4.00	: 5.00
Wood, 50 m tims		: .70	Tar, 50 gal, bblsgal		: .26	MENTHOL, 60 To cases To		: 14.25
Lavender, USP, 28 m tins m	4.50	: 6.00	Refined: USP 25 lb tins			Less cases, 51b cans		: 14.75
Spike, Spanish, 50 lb cans lb	.90	: 1.00	Thyme, red, USP 25 lb time lb	.95	: 1.00	Rhodinol, 1 h bot h		: 20.00
LEMON, Ital. USP, 25 m tims m	.85	: .95	White USP 25 h time h	.85	: .95	SAFROL, 60 m cams		: .50
American, USP, 25 lb tins lb	.75	: .80	Tech., 110 lb drums lb		: .85	Thymol, USP, 25 lb tinslb	3.05	: 3.15
Lemongram, native, 50 lb cams lb	.80	: .85	Vetivert, Bourbon, 1 h bot h	12.00	: 13.00	SYNTHETIC AROMA	ries	
Limes, express, 25 h tins h	1.85	: 1.95	Java, 1 h both	30.00	: 32.00			
Distilled, 25 b timb	1.00	: 1.05	Indian, 1 h bot	32.00	: 36.00	Acetaldehyde, 50 % sol. pure, 5 lb bot. lb Acetophenone CP, 1 lb botlb		: 2.00
Linalce, Mex. 80 m cases m		:	Wine, heavy 1 lb bot		: 1.50	Aldehyde, C-8 (Octyl), 1 m bot. m		: 4.50
Mace, distilled, 50 m tins m	1.25	: 1.85	WINTERGREEN			Aldehyde, C-9 (Nonyl), 1 m bot. m		: 75.00
Mirbane, ref., see Ar. Chemicals			Sweet bch., 25 lb tins lb	2.50	: 3.00	the same and the same and the		
Mustard, USP, 110 bot		: 14.00	Southern, 25 lb ting lb	1.85	: 2.00	Aldehyde, C-10 (Decyl), 1 h bot. h	20.00	: 58.00
Artif., USP, 1 m bot m	3.65	: 3.75	Gaultheria, true 25 lb tinslb	7.00	: 8.00	Aldehyde, C-12 (Duodecyl), 11b		
Neroli, Bigarade, 1/2 & 1 lb bot. lb Petale, 1 lb bot. lb	40.00	: 60.00	Southern, 25 To tins ID	4.00	: 4.25	Aldehyde, C-14, 17b bot		: 32.50
Artificial, 1 m bot	70.00	:120.00 : 25.00	Synthetic, USP, 50 m casesm		: .47	Aldehyde, C-16, 11b bot Ib		: 25.00
Nutmeg, USP, 25 lb tim	1.25	: 1.35	Wormseed Balt., USP, 25 lb tins. lb	6.25	: 6.50	Aubenine, see Anisic Aldehyda	10.00	: 80.00
Grange, bitter, 25 m tins m	2.65	: 2.75	Wormwood dom., 25 lb tinslb	3.75	: 4.00	Amyl Acetate, pure, 5 gal. cans.gal	4.50	: 4.75
Sweet, W. Ind., 25 h tinsh	2.65	: 2.75	Ylang Ylang, Bourbon 10 lb tins	17		Amyl Butyrate, 1 lb bot	1.75	: 2.00
Italian, 25 m cop m	3.25	: 3,50	No. 1	7.00	: 9.00	Amyl Cinnamate, 1 h bot h	4.00	: 4.50
American, 25 lb tins lb	3.00	: 3.10	No. 2	5.00	: 6.00	Amyl Formate, 1 to bot	1.50	: 1.75
Distilled, 25 h tin h	1.75	: 1.80	Manila, 1 h bot		: 35.00	Amyl Phenyl Acetate, 1 h bot h	4.50	: 5.00
Spanish, 25 m tins m	2.65	: 2.75	Artificial, 1 D bot	10.00	: 12.00	AMYL SALICYLATE, dom. 100 m		
Origanum, 50 h cars tech h	.30	: .35	OLEORESIN	21		ebys	1.45	: 1.50
Parsley, 1 lb bot	3.50	: 4.00				Imported Ib	2.25	: 2.50
Patchouli, 5 lb bot		: 6.50	Aspidium, USP, 1 h bot h Capsteum, USP, 5 h bot h	2.75	: 3.00 : 3.75	Amyl Valerate, 5 lb bot lb	4.75	: 5.00
Pennyroyal, dom. 25 lb tims lb	1.90	: 2.25	Ginger, 5 m bot	3.25	: 3.50	Anisic Aldehyde, 1 h bot h	3.75	: 4.25
Imported, 25 b tinsb	1.80	: 2.00	Cubeb, CSP, 1 b bot b		: 4.75	BENZALDEHYDE, USP. 40 D chrs D	1.50	: 1.60
PEPPERMINT, nat. 60 h cases h	4.50	: 4.75	Malefern, See Aspidium	2.00		FFC. 40 lb cbys	1.60	: 1.78
Redist., USP, 60 m casesm		5.25	Orris, 170 bot	15.00	: 18.00	Benzoic Ether, See Ethyl Benzoate		
Petit Grain, S. Am. 25 lb tins. lb French, 1 lb bet		: 2.00 : 8.00	Pepper, black, USP, 1 b bot b	3.50	: 4.00	Bemophenone, 1 m botm	6.75	: 7.00
Italian, 25 lb tins		: 8.00 : 2.25	Vanilla, 1 lb bot		: 24.00	Benzyl Acetate, 100 m cbys m		: 1.75
Italian, 2010 Mis	2.10	. 4.20						

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	30 - 3				
Benzyl Alcohol, 5 m bot m 1.45	: 1.55	Iso-Butyl Benneste, 5 D bot D		Skatel, 1ca. bot	10
	1.75	Iso-Safroi, 1 lb bot. imported lb	5.25 : 5.50	Terpinyl Acetate, 25 D cans b 1.85 : 1.8	18
	: 3.00		4.00 : 4.25	TERPINEOL, CP. 1000 m drums, m .50 : .5	51
	: 10.80		8.00 : 9.50 8.50 : 10.00	Cans. 50 D D .54 : .5	
	: 3.25	Linalyl Bennoate, 1 m bot m 1		Imported, 25 m cans m 1,20 : 1.8	10
	5.25	Linalyl Formate, 5 lb bot lb	10.50 : 12.00		14 %
	: 3.50		4.75 : 5.00	Cans, 16 os., 80 os	18
	: 4.00			Valerianic Ether, See Ethyl Valerate	
Butyl Anthraudlate, 1 h bot.dom. h	: 16.00	METHYL ANTHRANILATE dom.,		Yara Yara, 1 D cans D 1.75 : 2.6	
Butyric Ether, See Ethyl Butyrate			2.75 : 3.25		
Cinnamie Acid, 5 h cans h 8.00	: 3.25	Methyl Benzoate, 5 D bot, import D	4.50 : 5.00	PERFUMERS' SUNDRIES	
Cinnamic Alcohol, liquid 1 h bot. h 10.00	: 14.00		2.00 : 2.25 1.75 : 2.00	Almond Meal, 25 D cans D .28 : .3	10
	: 16.00			Ambergris, black, bxs : 8.0	
Clunamic Aldehyde, 5 lb cans lb 3.50	: 3.75	Methyl Cinnamate, 1 h bot h	8 50 : 3.75	Ambergris, gray, bus 28.0	
	: 12.00	Methyl Heptenone, 1 h bot h	8.00 : 8.25	Balsam Copaiba, Para, 80 m cases m26 : .8	
	: 14.00	Methyl Paracresol, 1 D bot D Mathyl Phenylacetate, 5 F bot dom, D	8.00 : 9.00 8.75 : 4.00	South American, 80 lb caseslb .32 1/2: .3	
	: 4.00		3.75 : 4.00	Balsam Peru, 120 m cases m 1.85 : 1.9 Balsam Tolu. 90 m cases m 1.50 : 1.6	
DIETHYL PHTHALATE, 25 m camb .50	55	METHYL SALICYLATE, USP 500 D		Benzoin Gum. Siam. bxs Ib 1.15 : 1.2	
1000 lb drs		drums	: .45	Castoreum, 1 lb bot	
	.90	50 lb cases	.45 : .46	Chalk, precip, light, 175 h bbls, fb .04%; .0	
	: .50 : 2.00			Cherry Laurel Water, 5 gal cans.gal 1.15 : 1.2	
	: 2.00	Mirbane, rect., 1000 b drumsb	.1216: .14	Civet Abyssin, horns 2.75 : 3.7	5
	: 3.50	Musk Ketone, 1 b cans b		Labdanum, 5 lb bot lb : 8.0	10
	3.75		4.40 : 4.60	Lanolin hydrous, 350 m bbls m .=1 : .2	12
	1.10		1.65 : 2.00	Anhydrous, 350 lb bbls lb .23 : .2	14
	: 3.50		1.50 : 2.00	Musk pods, Cabardine, tinses 18.00 : 17.0	96
	4.00	Phenylacetaldebyde, Dum.,		Tonguin, tins	
	: 3.50		9.50 : 10.50	Grains, Cabardine, tinsoz 25.00 : 26.0	0
	4.75	Imported, 50 p.e		Tonquin, tins 35.00 : 38.0	0
	: 3.58	80-85 p.e D 1		Synthetic, See Aromatic Chemicals	
Formie Ether, See Ethyl Formate Geranyl Acetate, 1 lb bot lb 5.00		Phenylacetic Acid, 1 h bot h	3.00 : 3.25	Orris Bt. Flor., powd. bbls Ib .09 : .1	1
	: 5.50 : 13.50			Verona, bbls 10 .08 : .0	
	: 12.50	Phenyl Diacetate, 1oz. betos	3.35 : 3.50	Petrolatum, snow white,350 m bbls. m .1214: .1:	3
	2.00	PHENYLETHYLALCOHOL dom.,		Light Amber, 350 lb bbls lb .041/4: .0	5
	2.75	1 m bot		Rice Starch, 140 h bes h .09 : .10	0
	18.00	Imported		Rose Water, 6 2-3 gal cbys gal 1.00 : 1.2	
	: 6.50	Phenylethyl Butyraie, 1 h bot h 1		Sandalwood chips, powd., bags lb .30 : .3	5
	9.00	Phenylethyl Formate, 1 b bot b 1		Saponin, 5 m tins m 1.25 : 1.5	
	: 12.00	Phenylethyl Propionate, 1 m bot m		Tale Italian, 220 m bgston 40.00 : 80.00	
	11.00	Phenylethyl Valerate, 1 m bot m 1 Phenylethyl Valerate, 1 m bot m		Tale French, 220 lb bagston 22.00 : 45.00	
Methyl lb 13.50	: 15.00	ractification of 18 col	10.00 : 10.00	Tale, domestic ref., 100 m bags. ton 16.00 : 18.00	,

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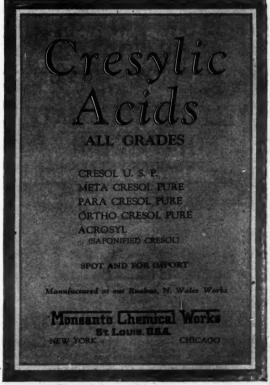
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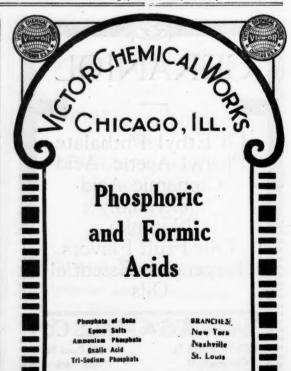


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NAPHTHALENE—675 bgs., Order, Antwerp OILS—Coconut, 603 tons, Philippine Refining Co., Cebu; 688 tons, Interntl. Bkg. Corp., Manila; 696 tons, Order, Manila; 1,48 tons, Spencer Kellogg Co., Manila; 630 tons, Procter & Gamble, Manila; 233 tons, Copra Milling Corp., Manila; 233 tons, Copra Milling Corp., Manila; 230 bbls., Bowring & Co., Hull; 460 bbls., Order, Hull; 720 bbls., Scott & Bowne, Bergen; 50 bbls., Azomulsion Co., Bergen; 250 bbls., Order, Bergen; Haarlem, 25 cs., Biddle Purch Co., Retterdam; Olive. 151 cs., Gallagher & Ascher, Palermo; 1,260 cs., Order, Genoa; 500 cs., F. C. Williams & Co., Genoa; 605 cs., Zucca Olive Oil Co., Genoa; 500 cs., Mascahlades Bros., Genoa; 600 cs., Cw. Sheldon & Co., Genoa; 355 cs., Amer. Exp. 40., Genoa; 500 cs., Luca Gulia, 600 cs., Cw. Sheldon & Co., Genoa; 500 cs., Luca Montagne Sons, Barcelona; 1,000 cs., F. H. Leggelt & Co., Barcelona; 1,000 cs., F. H. Leggelt & Co., Barcelona; 1,000 cs., F. H. Leggelt & Co., Marcelona; 1,000 cs., F. H. Leggelt & Co., Marcelona; 1,000 cs., F. H. Leggelt & Co., Marcelona; 1,000 cs., F. M. Leggelt & Co., Malaga; 2,150 cs., Nat. Shawmut Bk. Boston, Malaga; 2,150 cs., Nat. Shawmut Bk. Boston, Malaga; 2,150 cs., Nat. Shawmut Bk. Boston, Malaga; 201 bbls., Equit. Trust Co., Malaga; Olive Oil Foots, 225 bbls., Banca Comm. Italo, Bari; 201 bbls., Bk. of Manhattan Co., Bari; 200 bbls., African & Eastern Trdg. Co., Liverpool; Perilla, 200 bbls., Cook & Swan Co., Tientsin; Rapseed, 650 bbls., Vacuum Oil Co., Hull; 325 bbls., J. C Francesconi & Co., Hull; 300 bbls., Cook & Swan Co., Tientsin; Rapseed, 650 bbls., Vacuum Oil Co., Hull; 325 bbls., J. C Francesconi & Co., Hull; 300 bbls., Cook & Swan Co., Hankow; 151 cse., Fulley & Co., Manchester; Wood, 2 drs., Grder, Shanghai; 280 bbls., J. C Fra

Orbis Procuets Trdg. Co., Malaga; 2 cs., G. Lueders & Co., Marseilles; 10 bbls., E. H. Weel, Tarregona; 1 cse., G. Lueders & Co., Marseilles; 8 cs., Dodge & Olcott, Marseilles; 6 cs., J W. Hampton, Jr. & Co., Marseilles; 6 cs., J W. Hampton, Jr. & Co., Marseilles; 6 cs., J W. Hampton, Jr. & Co., Marseilles; 13 cs., Lehn & Fink, Marseilles; 2 cs., Lo Curto & Funk, Havre; 2 cs., P. R. Dreyer Co., Havre; Almond, 9 cs., Lehn & Fink, Marseilles; 10 cs., Ungerer & Co., London; Bergamet, 75 cs., Irving Bk., Messina; Camphor, 1 bx., A R. Lirdman, Hongkong; 30 drs., D. L. Mess & Co., Shanghai; Chinamon, Leaf, 3 drs., Natl. City Bk., Colombo; 1 drum, C. T. Wilson & Co., Colombo; Grandon, C. T. Wilson & Co., Colombo; Grandon, Co., Colombo; Co., Colombo; Co., Colombo; Grandon, Co., Chicker, 10 drs., C. T. Wilson & Co., Colombo; 1 drs., Order, Colombo; Co., Harburg; 100 bbls., H. J. Beker & Bros., Bergen; 650 bbls., Order, Rergen; 10 bbls., Stanley Jordan Co., Christiania; Gerantum, 5 cks., Davies Turner & Co., Naples; 15 cks., 1 drum, Guaranty Trust Co., Naples; 15 cks., 1 drum, Guaranty Trust Co., Naples; Juniper Berry, 1 bbl., Order, Trieste; 5 cs., Dodge & Olcott, Rotterdam; 8 cs., Order, Rotterdam; 128 cs., Brown Bros. & Co., Messina; 20 cs., Grder, Messina; 20 cs., Grder, Messina; 90 cs., Order, Palermo; Lime, 1 drum, Goldman Sachs & Co., Dominica; Orange 25 cs., Bk. of N. Y. & Trust Co., Messina; 90 cs., Order, Messina; 10 cs. Coder, Port Artonio; 100 txs., Order, Messina; 90 cs., Order, Messina; 10 cs., Order, Messina; 90 cs., Order, Marseilles; 2 ox., Order, Marseilles; 2 cs., Order, Marseilles; 2 ox., Orde

Naples
OXIDE—Red, 50 cks., J. L. Smith & Co.,
Hull; Tin, 2 bbls., Pitt & Scott, Santos;
2 bbls., Amer. Exp. Co., Rio de Janeiro
PHOSPHATE—500 bgs., Hollinghurst & Co.,

Antwerp
POTASSIUM SALTS—10 cks., Order, Hamburg; 20 bbls., Order, Trieste; Bicarbonate,
40 kgs.. Order, Bristol; Carbonate, 18 cks.,
P. H. Petry & Co., Bremerhaven; Muriate,
4,295 bgs., Societe Comm. Des Potasses

d'Alsace, Antwerp; Nitrate, 200 cks., Superfos Co., Rotterdam

ROOTS—26 bgs., Order, Barcelona; 67 bls.,
J. L. Hopkins & Co., Marseilles; Belladonna,
11 bls., Baldwin University Co., Rotterdam;
Broom, 904 bls., Bk. of Montreal, Vera
Cruz; 42 bls., H. Triest Co., Vera Cruz;
Canagria, 4 sks., Order, Vera Cruz; Ipscac,
12 bls., Ultramares Corp., Cartagena; 4 bgs.,
Ultramares Corp., Cartagena; Licorice, 89
bls., Order, Hamburg; 89 bls., F. W. Mead
& Co., Hamburg; Orris, 37 bgs., Order,
Leghorn; Soap, 10 bls., Schadi Bros., Catania; Sarsaparilla, 50 bls., J. A. Medina
& Co., Vera Cruz;
SAL AMMONIAC—115 cs., Order, Hamburg
SAPONIN—24 cs., Pfaltz & Bauer, Hamburg
SEED—422 bgs., Order, Bordeaux; Anise, 200
bgs., Order, Malaga; Cardamom, 10 cs., A.
Lewis & Co., Bombay; Castor, 69 bgs.,
Huttlinger & Struller, Port de Paix; 83
bgs., J. J. L. Hachtmann & Co., Port de
Paix; 271 bgs., H. Mann & Co., Port de
Paix; 4278 bgs., Volkart Bros., Bombay;
3,373 bgs., I. R. Boody & Co., Dairen;
9,574 bgs., Order, Bombay; Corlander, 300
bgs., J. Toledano & Co., Bordeaux; 100 bgs.,
Strauss & Co., Casablanca; Cumin, 199 bgs.,
C. R. Staudinger, Bombay; Foenugreek, 150
bgs., Order, Bordeaux; Flax, S8,134 bgs.,
2,251,264 kilos, Order, Rosario; 8,386 bgs.,
C. R. Staudinger, Bombay; Foenugreek, 150
bgs., Order, Bordeaux; 150 bgs., Order,
Rotterdam; 294 bgs., A. D. French & Co.,
Copenhagen; 10 bgs., R. W. Wibalt Co.,
Copenhagen; 650 bgs., Order, Tientsin; 1,250
bgs., Standard Bank, Tientsin; Poppy, 100
bgs., Order, Rotterdam; 130 bgs., Order,
Rotterdam; Sesame, Yellow, 300 bgs., Wah
Chang Trdg, Corp., Shanghai
SENNA—156 bls., Natl. Bk. of Egypt,
Port Sudan
SHELLAC—75 bgs., Ralli Bros., Hamburg;
100 bgs., J. W. Green & Co., Calcutta;
275 bgs., Order, Calcutta; 25 cs., Rogers

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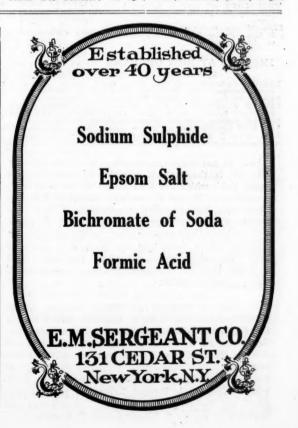
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Pyatt Shellac Co., Hamburg; 100 bgs., Ralli Bros., London; Garnet Lac, 96 bgs., Kasebier Chatfield Shellac Co., Hamburg; 40 bgs., F. E. Gerlach, Hamburg; Refuse Lac, 95 bgs., Order, Calcutt; Sticklac, 17 cs., D. La. Silverman, Penang; 176 sks., Order, Morgalilean, Penang; 176 sks., Order, Marvalilean, Penang; 176 bls., Order, Marvalilean, Penang; 176 sks., Order, Penang; 176 s

L. Silverman, Penang; 126 sks., Order, Marseilles SODIUM SALTS—Cyanide, 112 cs., Interntl. Bkg. Co., Havre; 112 drs., 98 cs., Order, Liverpool; Hyposulfate, 240 cks., C. Hardy, Inc., Hamburg; Nitrate, 3,735 bgs., Order, Porsgrund; Prussiate, 68 cks., Order, Liverpool; Silico Fluoride, 20 cks., Innis Speiden & Co., Rotterdam SUMAC—490 bgs., Order, Palermo TALC—300 bgs., Order, Genoa; 800 bgs., L. A. Salomon Bros., Bordeaux; 1,000 bgs., Hammill Gillespie & Co., Bordeaux; 300 bgs., L. A. Salomon & Bros., Genoa; 200 bgs., L. A. Salomon & Bros., Genoa; 200 bgs., C. Mathieu, Genoa TARTAR—342 sks., Tartar Chem. Wks., Marseilles; 210 sks., C. Pfizer & Co., Marseilles; 210 sks., C. Pfizer & Co., Marseilles; 945 bgs., Royal Bkg. Powder Co., Marseilles; 945 bgs., Royal Bkg. Powder Co., Marseilles; 137 bgs., Order, Tarragona; Cream, 30 cs., A. J. Marcus, Hamburg; 50 cks., Order, Rotterdam; 50 kgs., C. L. Huisking, Inc., Genoa

Rotterdam; 50 kgs., C. L. Huisking, Inc., Genoa
THYMOL—7 cs., Order, Hamburg
UMBER—22 cks., L. H. Butcher & Co., Hull
VANILLA BEANS—59 cs., Bk. of N. Y. &
Trust Co., Naples; 178 cs., Order, Naples;
10 cs., Bk. of N. Y. & Trust Co., Marseilles
WAX—3 bgs., Bk. of Amer., Alexandria; 16
bgs., Order, Alexandria; 26 bgs., Order, Rangoon; 97 bgs., Order, Constantinople; 17 cs., Order, Liverpool; 20 cks., L. A.
Salomon & Bros., Havre; 3 cs., Interntl.
Fwdg. Co., Hawre; Bees, 21 bgs., Order,
Leghorn; 17 bls., 14 bgs., Elbert & Co.,
Hamburg; 13 cs., Order, Aden; 72 bls.,
Order, Rotterdam; 151 bgs., Order, Liverpool; 20 sks., Guaranty Trust Co., Cardenas;
Mineral, 80 bgs., L. S. Tainter, Hamburg;
Wogstable, 70 bgs., Order, Hamburg;
WITHERITE—Ground, 178 bgs., R. W. Greeff
& Co., Newcastle on Tyne
WOODFLOUR—400 bgs., A. Kramer & Co., Hamburg;
21NC—250 bbls., Irving Bk., Marseilles: Oxide.

burg ZINC-250 bbls., Irving Bk., Marseilles; Oxide, 50 bbls., Philipp Bros., Inc., Antwerp; 10 cs., Order, London

IMPORTS AT NEW ORLEANS

April 12 to 19 April 12 to 19
BARIUM—Carbonate, 5,504 lbs., Order, Germany; Bauxite, 5 bbls., Order, Buenos Aires
BEANS—904 bags, Juan Argote, Tampico
CARBON BLACK—200 cs., Order, Harve; 75
cs., Order, Bremen; 200 cs., Order, London
COPPER—Sulfate, 78,400 lbs., Order, England
FULLER'S EARTH—800 bags. Order, London
GUM—29 cs., J. E. Molina, Progreso

Antwerp SODIUM—Sulfate, 400,040 lbs., Order, Belgium TURPENTINE—70 drums, Order, London WAX—200 sacks, Order, Vera Cruz

IMPORTS AT BOSTON April 12 to 18

April 12 to 18

CHALK—500 tons, Pickney & Tirrel, London: 300 bage, Order, London CHINA CLAY—2,027 tons, English China Clay Sales Corp., Fowey: 102 tons, W. R. Grace & Co., Fowey bags, Order, Calcutta; 700 bags, Order, Calcutta; 700 bags, Order, Calcutta; 700 bags, Order, Calcutta; 700 bags, Order, Calcutta CLUE—46 drums, Order, Antwerp LITHOPONE—80 bbls., Order, Antwerp TRAGASOL—90 casks, J. P. Marston, Liverpool

IMPORTS AT PHILADELPHIA April 9 to 16

ACID-Formic, 74 crbys., Order, Hamburg CHEMICALS-60 bbls., Koons, Wilson & Co., Dunkirk
COAL TAR-Distillate, 10 drums, Monsanto
Chem. Works, Liverpool
CREAM TARTAR-50 csks., French Am. Bkg
Corp., Marseilles
FLUORSPAR-733 tons, 19 cwt., Shimer & Co., Manchester GLAUBER'S SALT-700 bags, Corn Exchange Bank, Hamburg
MAGNESIUM—Chloride, 176 drums, Brown
Bros. & Co., Hamburg
MAGNESITE—294 bgs., General Magnesite MACNESITE—294 bgs., General Magnesite Co., Marseilles
MANGANESE ORE—688 tons, 8 cwt., 2 qrs.,
Nat. Carbon Co., Secondee; 3,365 tons, 8 cwt., 3 qrs., Lavino Shipping Co., Secondee;
1.500 tons, Order, Bombay
OII—Lemon Grass, 3 drums, A. Rosenthal & Cons. 2 and Lose. OIL—Lemon Grass, 3 drums, A. Rosenthal & Sons. San Jose
PIASSAVA FIBRE—640 bls., Southwark Nat. Bank. Liverpool
POTASH—Caustic, 50 drums, White, Peter & Co., Hamburg
SAL AMMONIAC—23 bbls., Brown Bros. & Co. Hamburg; 36 bbls., Order, Hamburg
SHELLAC—1,220 bgs., U. S. Navy Dept., Calcutta; 220 bgs., U. S. Navy Dept., Calcutta; 22 bags, Lee, Higginson & Co., Calcutta; 25 bgs., Corder, Calcutta
SODIUM—Cyanide, 50 drums, Order, Manchester; Nitrate, 27,283 bags, E. I. du Pont de Nemours Co., Taltal; 299 csks., Order Hamburg
TFA—Waste, 249 bags, Order, Calcutta Waste, 249 bags, Order, Calcutta GREASE-500 bbls., Am. Trust Co., WOOL GREASE—600 bbls., Am. Trust Co., Manchester ZINC—Caloride, 2 drums, Tradesmens Nat Bank, Liverpool

IMPORTS AT BALTIMORE

AMMONIA-Muriate, 38 casks, 38,159 lbs., Kuttroff, Pickhardt & Co., New York, West Cherow. Rotterdam ALSIMIN-100 bbls., 53,230 lbs., Trumby, Faesy & Westhoff, Inc., New York, M. S. Dollar, Genoa. Genoa

BARIUM CARBONATE—250 bags, 56,100 lbs.,
Roessler & Hasslacher Chemical Co., New
York, West Cherow, Rotterdam
BONE PHOSPHATE—500 bags, 110,000 lbs.,
tandard Guano Co., West Cherow, Antwerp
CASSIA—Rolls, 100 cases, McCormick & Co.,
M. S. Dollar, Kobe
CHALK—300 bags, 66,000 lbs., W. H. Masson,
Westerner Antwerp. M. S. Dollar, Robe
CHALK—300 blags, 66,000 lbs., W. H. Masson,
Westerner, Antwerp
FERRO-MANGANESE—447 tons 78%, Crocker
Bros., New York, Wheatmore, Liverpool;
150 tons 78%, Rogers, Brown & Co., New
York, Wheatmore, Liverpool
MANGANESE ORE—2000 tons, Bethlehem
Steel Company, Bloemfontein, Calcutta; 2,200
tons, United States Steel Products Co.,
Santa Isabel, Antilla, Cuba; 5,742 tons,
Society Temo, Labourne, Batoum
MOLASSES—1,300,000 gals., Cuba Distilling
Co., Catahoula, Neuvitas
OCHRE—90 casks, Reichard Coulston, Inc., M.
S. Dollar, Marseilles
PEPPER—White, 70 bags, to Order, M. S.
Dollar, Singapore; 140 bags, to Order, M.
S. Dollar, Singapore
PHOSPHATE—905 bags, 198,000 lbs., Philip
Bauer & Co., Inc., New York, Westerner,
Antwerp
PLASSAYA—277 bundles, 22,000 lbs., F. H. Antwerp PIASSAVA—377 bundles, 22,000 lbs., F. H. Shallus Co., West Cherow, Antwerp; 180 bundles, 13,202 lbs., F. H. Shallus Co., West Cherow, Antwerp SAGO FLOUR-359 cases, to Order, M. S. Dollar, Singapore SEED—Celery, 50 bags, to Order, M. S. Dollar, Marseilles
ULTRAMARINE BLUE—5 bbls., 1,210 lbs.,
W. H. Masson, West Cherow, Antwerp
WOOL GREASE—100 casks, 46,200 lbs., Kidder
Peabody Acceptance Corp., New York, West
Cherow, Antwerp

IMPORTS AT SEATTLE

April 7 to 14

AMMONIA-119 drums, Order, Blubber Bay, B. C.,

ARSENIC—100 cs., Order, Kobe
CHEMICALS—6 kegs, Order, London
FISH MEAL—36 tons, Order, Naniamo, B. C.
GLUE—20 bags, Order, Antwerp
OILS—Camphor, 100 drums, Order, Shanghai;
Peanut, 1,660 tons, Order, Tsingtao
SOYA BEAN—Cake, 19,808 tons, Order, Dairen
WHITE LEAD—466 kegs, Order, Antwerp

IMPORTS AT SAN FRANCISCO April 5 to 12

BEAN CAKE-800 bags, Order, Dairen SPICES-Ginger, & bags, Columbia Bank, San Jose de Guatemala

Lack of gas masks at Bakelite Co.'s plant, Plainesville, O., is the basis of a claim by dependents of Ralph Yoki, which has been filed with the workmen's compensation division of the State Industrial Relations Department, for additional compensation. Yoki lost his life on Jan. 11, last, in saving William Whitman, a co-worker in the Bakelite plant. Whitman was overcome by benzol fumes and was dragged to safety by Yoki who was overcome and died. The death claim is \$6,500, and the maximum additional award would make a total of \$9,750.

An order to break up an alleged monopoly of the motion picture film industry has been issued by the Federal Trade Commission against Eastman Kodak Co., Rochester, N. Y. The commission declared it found that the Eastman company had a substantially complete monopoly of the manufacture of positive cinematograph film. The commission prohibited acquisition by Eastman company of the Paragon Laboratory, G. M. Laboratory and San Jacq Laboratory. The company has appealed to the U. S. Circuit Court of Appeals.

Dr. F. E. Breithut, trade commissioner of the Department of Commerce in Europe, investigating chemical conditions abroad, and who was recently married in Paris, will return to the United States in June, and leave the Government service at that time. He is expected to resume his duties on the faculty of the College of the City of New York next Fall.

Columbia Salvage Corp. is named as defendant in a suit filed in the Federal Court, New York, by Assistant United States District Attorney Morris Streusand. The government charges that damages were sustained to government property, in an explosion at the company's plant near the Benicia, Cal., arsenal, amounting to \$237,383.53.

In spite of a five months' shut-down due to lack of orders the cotton textile industry of New England is facing a general strike of more than 150,000 workers in Rhode Island, New Hampshire and Massachusetts. A move by manufacturers for a 20 per cent reduction in wages is expected to precipitate the break.

Emmet Carver, formerly of the chemical department of the University of Illinois, is now attached to the research staff of the Eastman Kodak Co., Rochester.

Books of Trade Interest

ANILINE AND ITS DERIVATIVES. By H. P. Groggins, B.S. 234 pages, 8vo. Illustrated. D. Van Nostrand Co., New York. 1924.

This book is intended for the student of chemical engineering as well as the graduate engineer or works chemist. The technique in the production of aniline has been used as a vehicle for presenting to the reader the business of plant chemistry. Too often instruction in industrial chemistry is not given the business background that it requires, for more than any other engineering profession, chemistry must emphasize economy of operation. Other phases of operation are fully treated. The underlying theory and the by-product poisoning are fully discussed. Physical constants, chemical behavior and commercial uses are noted, so that the reader or executive, may use the work as a business reference in the manufacture of aniline, its derivatives, or other chemical products.

CHEMICAL CALCULATIONS. By R. Harman Ashley, Ph.D., formerly president of Tufts College Premedical and Dental School. Illustrated Third Edition, Revised. 276 pages, 8vo. D. Van Nostrand Co., New York. 1923.

Since the first edition of this book in 1915, the accepted values of the atomic weights of a number of the elements have been changed, and revisions have been made in the new edition to bring it up-to-date.

INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS. By William N. Lancey, of California Institute of Technology. 95 pages, 8vo. The MacMillau Co., New York. 1924.

The purpose of the book is to present a short course of experiments which will familiarize the reader with important instruments available for analytical uses, such as the microscope, polariscope, refractometer, and gas analysis apparatus.

OUANTITATIVE ANALYSIS By Stephen Popoff, Ph.D., of State University of Iowa. Twenty-eight Illustrations. 337 pages, 8vo. P. Blakiston's Son & Co., Philadelphia. 1924.

The object of this book is three-fold: First, to incorporate in a single book the theory, laboratory instructions, problems, and explanations for the calculations of these problems; second, to emphasize the law of mass action and the theory of equilibrium to quantitative reactions; third, to incorporate some of the more recent advances in analytical chemistry.

CORROSION TESTS AND MATERIALS OF CONSTRUCTION FOR CHEMICAL ENGINEERING APPARATUS. By W. S. Calcott, J. C. Whetzel, of E. I. du Pont de (Nemours & Co., and H. F. Whittaker, of National Research Council. A monograph. 169 pages, 8vo. American Institute of Chemical Engineers. 1923.

Ability to make a proper selection of material for use in plant apparatus often makes for the success of the operation. The data contained in this work is quantitative as well as qualitative. Comparative tests of different metals are also given so that relative costs can be ascertained. A discussion of the papers is contained in the back of the book.

FRENCH OCCUPATION OF THE RUHR. By Members of Debating Teams of Bates College and Oxford Union Society of Oxford College. Debate Given at Lewiston, Maine, Sept 27, 1923. 119 pages, 8vo. The Reference Shelf, Vol. II, Number 4. The H. W. Wilson Co., New York. 1924.

The affirmative side contended that France was justified in entering the Ruhr because Germany had been deliberately attempting to evade payment and that all attempts to make Germany pay had failed. The negative side stated that a better policy would be to creat an imperial international commission, the purpose of which would be to determine Germany's capacity to pay.

HOW MILBURN CO. LOST WAR CONTRACT TOLD BY JENKINS IN ACETYLENE SUIT

After Receiving Order for 9,000 Flare Lights for Gen.
Pershing the Contract Was Awarded to Other Companies—Independent Chicago Company Pays Hotel
Bill of War Department Purchasing Agents

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, April 23.—Alexander F. Jenkins, president of Alexander Milburn Co., was a witness in the suit of the company against Union Carbide and Carbon Corp. for \$2,250,000 under the anti-trust act, and testified that Giles W. Mead, an official of Oxweld Acetylene Co. said in November, 1913, that the carbide company and subsidiaries were too busy to compete with Davis-Bournonville Co., and that a man named Cameron, sales manager for the Oxweld company, told him that Oxweld Acetylene Co. was not competing with Davis-Bournonville Co. for railroad business.

It is the contention of the complainant that Davis-Bournonville Co. agreed to keep out of the railroad supply field if it were given a clear track for Government business during the war. This agreement, which, according to the plaintiff, constitutes a conspiracy in violation of the Sherman Act, was carried out, according to the complaint.

Mr. Jenkins described his relations with Major O. B. Zimmerman, purchasing agent for the War Department, who, gave him a verbal contract on September 6, 1917, for 9,000 flare lights to be used in the trenches by American soldiers. General Pershing had sent back a requisition for that number soon after arriving in France, Mr. Jenkins said. A few days later other corporations sent representatives to Washington to bid for the contract and as a result Davis-Bournonville Co. obtained a contract for 2,000 lights and Mr. Jenkins' verbal contract for the entire 9,000 was repudiated. During the entire war, Mr. Jenkins said, his company supplied only 4,800 lights for the Government.

W. R. Noxon, sales manager of an independent company in Chicago, under direct examination by J. Kemp Bartlett, of counsel for the Milburn company, explained a visit made by two army officers to Chicago during the war. He said Capt. E. A. Doyle and Capt. Fortney, of the purchasing branch of the War Department, went to Chicago and left an unpaid hotel bill for \$30, which he, at the direction of his company, paid out of the company's funds.

Philip W. Wilcox, of Atlanta, Ga., vice-president and secretary of Standard Gas Products Co., Atlanta, which manufactures acetylene, said that his concern desired to extend its field of activities in 1914 and sell welding apparatus as well as acetylene gas. As representative of his company he called on Davis-Bournonville Co. in Jersey City, and talked with President Augustine P. Davis. Mr. Wilcox wanted the agency for the Davis Bournonville apparatus in the South, but was told by Mr. Davis and Mr. Beard, president of the Linde Air Products Co., that he could not have the agency for the Davis-Bournonville apparatus in the South unless he agreed not to extend or enlarge his gas business, the Linde company being engaged in the manufacture and distribution of gas. Other restrictions were made, he testified, and he gave up the plan.

GERMANY MAKES NEW CHEMICAL PRICES

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NAVAL STORES—Established New England distributor of industrial chemicals, representing well known manufacturers wants to add strong rosin and turpentine account to their list. We have a well organized, successful sales staff, warehouse facilities, and twenty years close contact in mills and consuming industries. Box 669, DRUG & CHEMICAL MARKETS.

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SELLING PHILADELPHIA—Chemicals, pigments, naval stores, and industrial specialties of a chemical nature are handled successfully and economically for manufacturers by an established sales agent who is prepared to furnish trade and financial references to interested parties who make such goods and want to increase their sales in this territory. Box 681, DRUG & CHEMICAL MARtory. KETS.

SITUATIONS WANTED

FOR SALE—The services of a live, capable industrial chemical salesman. Highest references, strong and pleasant personality, thoroughly reliable, a digger for business. What am I offered? Box 688, DRUG & CHEMICAL MARKETS.

INTERMEDIATES — Salesman with eight years selling experience desires to make a change. Small company offering opportunity to an experienced, reliable, energetic man with thorough chemical and sales training wanted. Box 690, DRUG & CHEMICAL MARKETS MARKETS

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ALESMAN-Essential Oils and Extracts with knowledge of compounding, open for proposi-tion. Box 696, DRUG & CHEMICAL MAR-KETS.

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SALESMAN-Fine chemical salesman with experience and successful record as a rroducer of results seeks position with manufacturer Box 659, DRUG & CHEMICAL MARKETS.

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WANTED-100 burrels completely denatured Alcohol No. 5. Box 697, DRUG & CHEMICAL MARKETS.

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WANTED-Rotary vacuum dryer, 10' x 3', with condenser; in good working condition. Maple Chemical Company, 122 Maple Ave., Rosebank, Staten Island, N. Y.

PLANT EQUIPMENT

FOR SALE—Chemical laboratory equipment, scales, stoneware, office fixtures, etc. Man retiring from business. Box 683, DRUG & CHEMICAL MARKETS.

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FOR SALE—Chemical glassware, flasks, perfume bottles—large quantities in different sizes and shapes. Offers solicited. Box 705, DRUG & CHEMICAL MARKETS.

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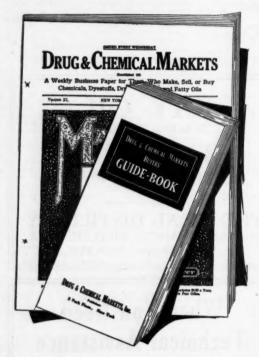
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Carbide & Carbon Chem. Corp.
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When John Harrison wrote to President Jefferson

In THE archives of the State Department at Washington is preserved an historic letter, now worn and yellow with age, pertaining to America's infant chemical industry.

With a quill pen, common to those days, John Harrison personally penned this leter to President Jefferson. He wrote of his chemical business established at Philadelphia in 1793—the first American sulphuric acid unit. He told of the progress that had been made since the inception of the business—how he had increased the production of sulphuric acid from 300 to 3,500 carboys per year. Quite an accomplishment in those days.

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